

AD-A113 716 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
OTIS AFB, FALMOUTH, MASSACHUSETTS. REVISED UNIFORM SUMMARY OF 5--ETC (11)
FEB 82

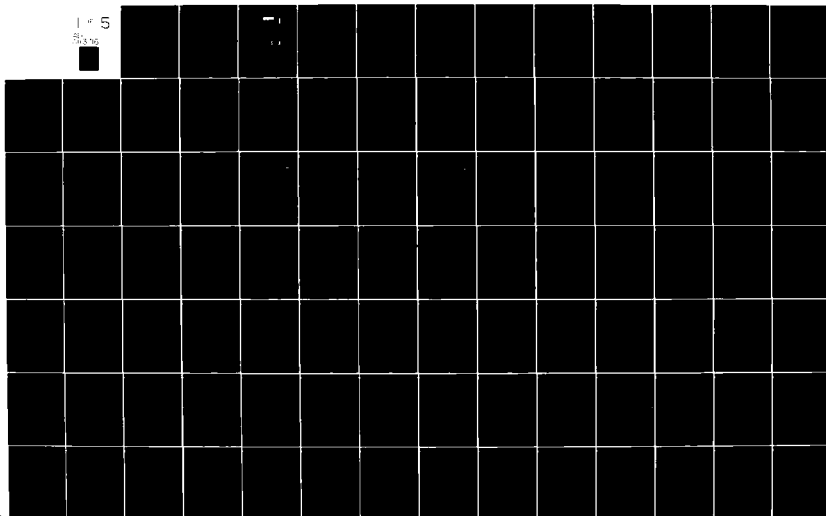
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USAFETAC/DS-82/010

DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

OTIS AFB MA
N 41 39 W 070 31

FLD ELEV 132 FT FMM

MSC #725068

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FEB 11 1982

PARTS A-F

FOR FROM HOURLY OBS: JAN 68 - DEC 70, JAN 73 - DEC 73,
JUN 75 - MAY 81

FOR FROM DAILY OBS: JAN 49 - MAY 74

TIME CONVERSION GMT TO LST: -5

FEB 05 1982

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Wayne E. McCollom

WAYNE E. MCCOLLOM
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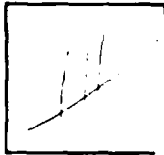
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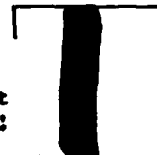
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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Otis AFB, Falmouth, Massachusetts It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	

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1 JAN 73 1473

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19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

Massachusetts

Otis AFB

20. and dew point temperatures and relative humidity); and (F) Pressure
Summary (means, standard, deviations, and observation counts of
station pressure and sea-level pressure). Data in this report are
presented in tabular form, in most cases in percentage frequency of
occurrence or cumulative percentage frequency of occurring tables.

UNCLASSIFIED

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The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those records or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into summary of the day observations. (Record-special, record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Herein, each section is a brief description of the data comprising each part of the revised uniform summary of surface weather observations and the manner of presentation. Summaries are prepared from hourly and daily observations recorded by stations operating for 1 year or more and some foreign stations with similar reporting practices.

When otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV (DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 00-03, 03-06, 06-09, 09-12, 12-15, 15-18, 18-21, 21-24 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT.)	CALL SIGN	WMO NUMBER
72506e	OTIS AFB MA/FALMOUTH	N 41 39	W 070 31	132	FMH	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT. BARO.	
1	Otis Fld, Massachuaetts	AAF	Oct 42	Apr 44	N 41 39	W 070 32	125	117	24
2	Otis AFB, Massachusetts/Falmouth	AFB	Nov 48	May 53	Same	Same	Same	119	24
3	Same	Same	Jun 53	Feb 63	Same	Same	126	137	24
4	Same	Same	Mar 63	Feb 64	Same	Same	132	138	24
5	Same	Same	Mar 64	Dec 70	Same	W 070 31	Same	Same	24
6	Same	Same	Jan 71	May 74	Same	Same	Same	Same	24
	Deactivated 31 May 74								
	Otis Tower, MA/Falmouth	LAWRS	Jun 74	Dec 76	Same	Same	131	Same	24
	Same	LAWRS	Jan 77	Nov 81	Same	Same	132	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Oct 42	Located SW section of base operations bldg.	Anemometer	None	55 ft	
2	Jan 43	Located in N half of base operations bldg.	Same	None	Same	
3	Jul 43	Located in bldg T-3111.	Same	None	Same	
4	Nov 48	Located on top of radar storm detector.	Selsyn	ML204B	65 ft	
5	Mar 54	Same	AN/GMQ-1	Same	76 ft	
6	Mar 58	Same	Same	Same	85 ft	
7	25 May 58	Located 1000 ft N of control tower in area of Tetrahedron.	AN/GMQ-11	RO-2	13 ft	
8	23 Mar 59	Located 1/2 mile from intersection of runways 75 ft on S side.	Same	Same	Same	

USAFETAC FORM NOV 73 0-19 (OLA) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CONTINUED ON REVERSE SIDE

SER TION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
	23 May 60	Located 3/8 mile from base operations bldg.	Same	Same	Same	
	Mar 63	1. Rnwy 05-800 ft from the end, 500 ft from the centerline.	Same	Same	12 ft	
		2. Rnwy 14-400 ft from the end, 500 ft from the centerline.	Same		9 ft	
		3. Rnwy 23-1400 ft from the end, 500 ft from the centerline.	Same		10½ ft	
	Jun 66	1. Same	T755/GMQ	20 Same	Same	
		2. Same	Same		Same	
		3. Same	Same		Same	
	Mar 69	1. Same	Same	RO-362	Same	
		2. Same	Same		Same	
		3. Same	Same		Same	
	Jul 70	1. Rnwy 05-900 ft from the end, 500 ft from the centerline.	Same	Same	12 ft	
		2. Rnwy 14-1700 ft from the end, 500 ft from the centerline.	Same		9 ft	
		3. Rnwy 23-1500 ft from the end, 500 ft from centerline.	Same		10½ ft	
		4. Rnwy 32-850 ft from the end, 500 ft from centerline.	Same		13 ft	
	May 74	1. Same	Same	Same	Same	
		2. Same	Same		Same	
		3. Same	Same		Same	
		4. Same	Same		Same	
	Sep 79	Located/Field	AN/GMQ-11-2D		8 ft	

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
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A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/AC

WEATHER CONDITIONS

700 60
STATION

OTIS AFB MA

STATION NAME

63-70, 73, 76-81

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	0-23	.1	1.1	.3	7.2		16.5	14.8	1.6	.9		16.5	915
	03-15		9.2		9.1		13.1	15.5	1.0	.5		16.3	915
	6-18		7.8	.2	8.2		16.0	16.2	1.6	.8		17.0	926
	9-11		6.0	.2	10.1		16.2	14.4	3.9	1.3	.1	13.0	930
	12-14		6.7	.4	9.5		15.1	12.5	3.5	1.4		16.5	925
	15-17		3.8	.3	5.3		14.6	15.1	3.0	1.0		17.6	930
	18-20		7.3	.3	7.3		14.9	14.1	1.4	.3		15.6	929
	21-23		7.9	.3	8.0		15.7	13.8	1.6	1.1		16.1	926
TOTALS		.0	7.9	.3	8.0		15.9	14.6	2.2	1.0	.0	16.7	7396

2

2.

FLC
MONTH

2

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02		9.9		5.4		14.4	16.3	1.8	1.5		15.4	849
	03-05	.1	7.9		3.5		15.9	17.6	1.4	1.5		19.5	348
	06-08		6.6	.2	10.2		16.6	20.3	4.1	2.2		23.7	849
	09-11		6.4	.2	10.2		15.5	15.4	4.9	2.6		21.6	849
	12-14		7.5		7.7		14.7	12.6	3.7	2.8		18.3	848
	15-17		10.1	.1	5.3		15.6	14.3	2.8	1.2		17.9	848
	18-20		10.4		6.5		16.4	15.9	3.1	1.4		19.2	848
	21-23	.2	10.2		5.3		15.0	14.6	2.9	1.4		17.9	849
TOTALS		.0	6.6	.1	7.5		15.5	15.9	3.1	1.8		19.6	6728

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

72-168
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 76-81

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
	00-02		12.4	.4	4.6		17.0	21.7	1.5	.6		23.1	929
	03-05	.2	11.0	.4	4.3		15.7	22.7	1.8	.2		24.0	930
	06-08		10.6	.3	4.9		15.2	23.5	4.2	.5		26.8	930
	09-11	.1	9.6		4.0		13.1	19.2	3.0	.4		20.8	930
	12-14	.2	7.2		4.7		11.7	15.7	4.6	.4		18.7	929
	15-17		9.1		4.6		13.4	16.0	4.7	.3		19.1	930
	18-20		9.9	.1	5.5		14.9	18.9	4.4	.5		21.6	929
	21-23		10.8	.3	4.8		15.6	17.9	3.0	.9		20.0	929
TOTALS		.1	10.1	.2	4.7		14.6	19.3	3.4	.5		21.8	7436

WEATHER CONDITIONS

APR
MONTH

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
APR	00-02	.1	12.8		.3		12.9	20.0	1.9			21.6	900
	03-05	.1	10.8		.6		11.0	21.3	3.0			23.9	900
	06-08		10.4		.2		10.6	20.4	4.6			23.2	900
	09-11		8.3		.3		8.7	13.2	2.7			15.2	900
	12-14		9.8		.1		9.9	11.1	2.4			12.7	900
	15-17		10.9		.1		11.0	12.8	3.8			15.6	899
	18-20	.1	12.5				12.5	16.0	3.4			18.0	899
	21-23	.4	13.5				13.5	18.0	2.6			19.5	899
TOTALS		.1	11.1		.2		11.3	16.6	3.1			18.7	7197

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

WEATHER CONDITIONS

720768
STATION

OTIS AFB MA
STATION NAME

68-70,73,76-81
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAY	00-02	.9	11.8				11.8	30.5	2.9			32.9	930
	03-05	.1	10.2				10.2	31.5	4.6			35.1	930
	06-08	.1	10.3				10.3	28.1	6.7			32.9	930
	09-11	.3	8.9				8.9	18.4	5.6			22.6	930
	12-14	.3	8.2				8.2	13.9	6.7			18.7	930
	15-17	.2	8.5				8.5	14.5	7.6			20.3	930
	18-20	.3	9.9				9.9	21.9	8.0			27.0	928
	21-23	.4	11.6				11.6	28.2	3.8			30.5	926
TOTALS		.3	9.9				9.9	23.4	5.7			27.4	7434

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

725268
STATION

OTIS AFB MA

STATION NAME

68-70,73,75-80

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	00-02	.8	11.0				11.0	39.7	10.2			45.0	894
	03-05	.3	10.0				10.0	46.9	9.7			50.0	896
	06-08	.3	9.2				9.2	37.7	13.4			44.3	900
	09-11		7.7				7.7	19.9	14.7		.1	30.0	900
	12-14	.1	7.3				7.3	14.9	14.2			26.5	899
	15-17	.6	7.4				7.4	14.4	17.7			28.7	900
	18-20	.7	9.2				9.2	24.2	17.2			37.4	899
	21-23	.3	11.0				11.0	33.5	12.0			40.6	898
TOTALS		.4	9.1				9.1	28.9	13.6		.0	37.8	7186

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

1968 OTIS AFB MA 68-73,75-PD JUL
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-01	.0	5.1				5.1	42.8	14.8			48.2	930
	02-05	.6	6.4			.1	6.4	47.3	15.5			51.8	928
	06-08	.3	5.6				5.6	38.0	20.5			47.0	930
	09-11	.2	4.1				4.1	20.4	23.3			34.5	930
	12-14	.3	4.5				4.5	12.6	25.7			32.4	930
	15-17	.9	4.6				4.6	13.1	28.1			35.0	929
	18-20	.5	3.9				3.9	24.1	27.6			43.3	927
	21-23	.4	4.5				4.5	36.7	21.2			47.0	930
TOTALS		.5	4.8			.0	4.8	29.4	22.1			42.4	7434

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

WEATHER CONDITIONS

7206R
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	1.0	7.8				7.8	39.5	17.1			45.1	912
	03-05	1.4	8.5				8.5	44.7	15.4			47.8	918
	06-08	1.0	7.5				7.5	38.7	20.8			48.5	924
	09-11	.2	5.2				5.2	20.4	23.7			36.3	925
	12-14	.4	3.9				3.9	13.6	24.5			32.7	926
	15-17	1.0	5.7				5.7	17.5	29.3			38.5	928
	18-20	1.1	6.1				6.1	26.8	30.1			44.1	928
	21-23	1.0	6.9				6.9	35.2	22.4			44.5	926
TOTALS		.9	6.5				6.5	29.6	22.9			42.2	7387

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

SEP 66
STATION

OTIS AFB MA

STATION NAME

66-70,73,75-80

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	.4	7.6				7.6	25.6	6.1			27.5	898
	03-05	.6	8.7				8.7	27.4	4.9			28.8	897
	06-08	.3	7.4				7.4	26.6	10.7			30.9	900
	09-11		6.9				6.9	16.8	12.2			25.1	900
	12-14	.6	6.7				6.7	11.2	13.0			21.3	900
	15-17	.6	6.3				6.3	13.1	14.4			25.0	900
	18-20		6.6				6.6	17.0	12.2			25.6	900
	21-23	.2	8.7				8.7	21.3	8.6			25.7	900
TOTALS		.3	7.4				7.4	19.9	10.3			26.2	7195

GLOBAL CLIMATOLOGY BRANCH
USAF TAC
AFW WEATHER SERVICE/MAC

WEATHER CONDITIONS

70-68
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02	.2	7.4				9.4	24.4	5.0			25.9	929
	03-05	.1	8.1				8.1	25.8	4.4			27.4	930
	06-08	.3	8.2				8.2	26.3	7.1			29.5	929
	09-11	.1	8.8				8.8	15.8	7.6			21.1	930
	12-14	.4	10.9		.1		11.0	12.3	8.5			19.5	930
	15-17	.3	10.8		.1		10.8	14.6	8.9			22.3	930
	18-20		12.0		.1		12.0	20.8	6.6			24.5	930
	21-23	.3	9.8		.1		9.9	22.3	6.5			25.3	930
TOTALS		.2	9.8		.1		9.8	20.3	6.8			24.4	7438

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF Weather Service/MAC

WEATHER CONDITIONS

725 68
STATION

OTIS AFB MA

STATION NAME

68-70,73,75-80

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
NOV	00-02		13.4		.4		13.4	20.6	1.1			21.1	816
	03-05	.4	13.8		.6		14.1	21.0	.7			21.3	816
	06-08		11.5		.4		11.7	20.7	2.2			21.9	898
	09-11		11.2		.7		11.9	17.1	2.3			18.2	900
	12-14		11.6		.6		12.1	13.8	2.6			15.8	900
	15-17		11.3		.6		11.9	13.1	2.8			15.6	900
	18-20	.1	12.1		.3		12.2	16.9	2.8			18.6	899
	21-23	.3	14.8		.4		15.1	19.7	1.2			20.4	900
TOTALS		.1	12.5		.5		12.8	17.9	2.0			19.1	7029

2

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

WEATHER CONDITIONS

DEC 68
STATION

OTIS AFB MA
STATION NAME

68-70, 73, 75-80
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02	.1	12.9	.1	7.5		18.9	17.0	.7	.2		17.0	829
	03-05	.1	13.6	.5	6.4		19.5	17.6	.7	.2		17.7	826
	06-08		12.6	.1	4.2		16.7	17.7	.9			18.3	924
	09-11		12.3		5.6		17.2	17.5	1.3	.1		18.6	930
	12-14		11.9	.1	4.3		15.8	16.3	1.3	.4		17.8	930
	15-17	.1	11.2		4.6		15.5	15.5	2.5	.3		17.5	929
	18-20		12.4	.3	4.3		16.8	14.5	1.4			15.3	924
	21-23		12.0	.2	5.2		16.6	15.4	.8			15.8	920
TOTALS		.0	12.4	.2	5.3		17.1	16.4	1.2	.2		17.3	7212

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

724 64
STATION

OTIS AFB MA

STATION NAME

68-70,73,75-81

YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	7.9	.3	8.0		15.9	14.6	2.2	1.3	.0	18.7	7396
FEB		.0	8.6	.1	7.5		15.5	15.9	3.1	1.9		19.6	6788
MAR		.1	10.1	.2	4.7		14.6	19.3	3.4	.5		21.6	7436
APR		.1	11.1		.2		11.3	16.6	3.1			18.7	7197
MAY		.3	9.9				9.9	23.4	5.7			27.4	7434
JUN		.4	9.1				9.1	28.9	13.6		.0	37.8	7186
JUL		.5	4.8			.0	4.8	29.4	22.1			42.4	7434
AUG		.9	6.5				6.5	29.6	22.9			42.2	7387
SEP		.3	7.4				7.4	19.9	10.3			26.2	7195
OCT		.2	9.8		.1		9.8	20.3	6.8			24.4	7438
NOV		.1	12.5		.5		12.8	17.9	2.0			19.1	7029
DEC		.0	12.4	.2	5.3		17.1	16.4	1.2	.2		17.3	7212
TOTALS		.2	9.2	.1	2.2	.0	11.2	21.0	8.0	.3	.0	26.1	87132

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than $5/8$ mile.

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XX **WEATHER CONDITIONS** XX
ATMOSPHERIC PHENOMENA

7 1 68 OTIS AFB MA 49-74 ALL

STATION STATION NAME YEARS MONTH
PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.5	35.1	2.1	34.6	.1	55.1	46.0	25.4	5.1		55.0	606
FEB		.7	34.3	2.6	39.9		58.3	48.0	24.7	6.3		55.4	734
MAR		1.7	45.4	2.7	23.9	.4	54.5	48.1	21.0	3.3		54.0	805
APR		3.7	52.7	.1	8.9	.1	55.0	51.5	20.2			54.2	778
MAY		7.8	53.5				53.5	55.1	31.3			60.9	606
JUN		5.7	45.9			.1	45.9	66.8	48.1			72.4	750
JUL		10.1	46.3			.6	46.3	70.8	55.6		.1	76.0	775
AUG		10.7	44.1				44.1	67.2	55.7		.1	73.9	775
SEP		5.2	42.3				42.3	56.5	36.9			61.7	750
OCT		2.7	42.5	.1	1.2		42.7	49.7	32.6			56.1	775
NOV		2.0	50.3		7.5		53.5	50.3	22.3	.5		55.1	750
DEC		.8	41.9	2.6	27.9		54.5	46.7	23.2	3.2		54.5	775
TOTALS		4.5	44.1	.8	12.4	.1	50.5	54.7	33.3	1.6	.0	60.8	9280

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)
3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

GLOBAL CLIMATOLOGY BRANCH
JAFETAC
AF- WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

72506R

CTIS AFB MA

49-74

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	43.2	18.6	2.5	5.7	4.7	6.9	7.1	7.1	2.1	.1				38.2	806	4.03	8.09	1.00
FEB	41.6	19.2	1.8	7.2	5.0	7.2	7.2	7.1	3.7					39.2	734	4.34	6.57	1.32
MAR	43.4	14.7	2.9	6.1	4.6	8.6	6.2	6.0	3.1	.5				37.8	806	4.58	11.56	1.86
APR	44.7	17.1	2.2	7.2	6.6	8.1	6.0	5.5	2.8	.5				38.9	778	4.53	9.31	1.38
MAY	46.1	18.7	2.6	7.4	4.5	6.3	7.2	4.1	2.6	.5				35.2	806	3.94	10.52	.88
JUN	53.3	19.2	2.0	5.7	4.1	6.4	3.5	2.9	2.7	.1				27.5	749	2.86	12.65	.02
JUL	53.7	20.0	3.1	5.5	3.5	5.0	3.9	2.6	2.6	.1				26.3	775	2.91	9.49	.03
AUG	56.1	14.1	2.6	6.5	3.5	5.3	4.1	3.9	3.6	.4				29.8	774	4.18	12.22	1.03
SEP	56.3	17.1	3.7	4.0	3.3	4.0	3.1	4.4	2.7	.8	.1			26.1	750	3.89	13.74	.16
OCT	57.7	14.8	3.0	5.7	2.8	4.3	4.6	3.7	3.0	.4				27.5	775	3.58	10.13	1.11
NOV	46.2	12.3	3.6	8.1	3.7	8.0	6.7	6.3	4.5	.5				41.5	749	5.05	8.61	1.49
DEC	44.3	13.8	2.5	6.6	4.6	9.4	7.1	7.0	4.0	.3				41.4	775	4.94	8.95	.99
ANNUAL	48.9	17.0	2.7	6.3	4.2	6.8	5.6	5.0	3.1	.3	.0			34.1	9277	4.83		

AT: WEATHER SERVICE/MAC

PRECIPITATION

(FROM DAILY OBSERVATIONS)

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

725 66 OTIS AFB MA

49-74

STATION

STATION NAME

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN.	FEB	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP	OCT	NOV	DEC	ALL MONTHS
49	3.96	4.85	4.33*	3.54	3.76	.02	1.07	1.22	2.63	1.58	3.46	2.60	*33.02
50	3.58	4.37	4.25*	3.85	3.60	1.93	2.49	5.67	3.05	1.63	7.34	4.40	*46.16
51	2.78	3.36	3.58	2.56	3.84	1.21	1.78	4.93	1.68	2.63	5.18	5.24	36.77
52	5.26	6.51	3.30	2.30	3.58	1.58	.03	8.55	3.86	1.11	2.06	3.99	42.13
53	7.77	4.60	7.45	5.86	2.58	.51	4.85	5.04	4.25	5.56	7.31	5.79	61.57
54	4.88	3.61	3.26	3.20	4.93	2.93	1.83	6.39	4.41	2.04	6.15	8.64	52.27
55	1.00	4.16	4.18	4.69	1.16	1.87	2.14	12.22	3.65	4.38	5.28	.99	45.72
56	4.51	4.37	7.80	2.82	3.42	2.29	5.11	2.78	2.70	3.47	3.15	6.56	48.98
57	3.48	1.48	4.64	3.97	1.21	.05	1.76	4.15	1.85	2.31	5.59	5.59	36.08
58	8.09	4.14	3.32	9.31	4.67	2.40	2.76	6.91	4.89	2.80	4.30	2.05	55.64
59	1.69	4.07	6.18	3.96	2.62	5.61	6.92	2.65	.16	6.11	4.30	4.31	48.58
60	3.76	6.57	4.10	4.08	3.39	1.64	4.08	1.03	7.46	2.01	3.35	7.85	49.32
61	4.77	3.30	3.85	6.90	6.21	1.56	5.68	3.84	5.55	9.32	5.26	4.06	60.30
62	5.44	6.44	1.86	6.38	1.42	7.18	1.95	4.88	5.99	10.13	6.12	4.31	62.10
63	5.30	5.07	5.91	4.44	7.53	1.10	3.50	3.19	5.10	2.04	5.52	3.58	52.28
64	5.41	4.98	2.29	6.62	.88	.84	5.43	1.49	4.80	6.24	1.49	6.15	46.62
65	4.83	2.33	2.00	3.62	1.64	2.15	.70	3.02	2.18	1.93	2.46	2.01	28.87
66	4.69	3.45	2.45	1.38	7.17	2.01	.99	2.15	6.38	3.45	5.36	2.65	42.33
67	3.00	2.97	5.57	5.93	10.52	3.17	3.17	5.82	2.40	1.75	5.52	6.15	55.97
68	2.66	1.32	11.56	1.62	3.89	7.72	.72	2.25	.77	1.68	5.95	5.10	45.24
69	1.19	4.78	4.90	4.33	1.33	1.38	1.93	1.31	4.17	2.15	8.81	7.98	44.26
70	1.24	5.27	5.27	3.47	1.94	3.66	2.24	5.56	2.17	4.08	5.89	4.80	45.59
71	4.40	6.26	2.82	3.08	4.95*	.55	1.34*	2.04	.52	2.16*	5.30	2.71	*36.13
72	2.89	5.30	7.81	6.01	5.87	12.65	1.91	1.96	13.74	3.94	8.42	6.89	77.39
73	2.58	5.75	3.00	8.38	5.20	3.13	8.49	3.31	2.90	4.96	2.89	8.95	59.54
74	5.53	3.64	3.33	3.70	5.02								
MEAN	4.027	4.344	4.577	4.525	3.936	2.858	2.915	4.180	3.890	3.578	5.048	4.942	49.980
S. D.	1.805	1.418	2.206	2.028	2.300	2.863	2.112	2.630	2.767	2.364	1.909	2.142	10.467
TOTAL OBS	806	734	806	778	806	749	775	774	750	775	749	775	9277

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

725168

OTIS AFB MA

49-74

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	45.3	18.4	4.3	6.2	1.7	1.2	.9	.7	.9	.2	.1			16.4	806	9.9	34.0	TRACE
FEB	50.1	22.5	3.7	6.3	1.8	2.3	.4	1.8	1.0	.3				17.4	734	11.0	30.0	.4
MAR	70.5	18.4	2.9	3.6	1.6	.7	1.0	.7	.4		.2			11.2	806	7.7	38.1	TRACE
APR	91.3	6.5	.9	.3	.4	.4		.3						2.2	779	1.2	5.9	.0
MAY	100.0														806	.0	.0	.0
JUN	100.0														750	.0	.0	.0
JUL	100.0														775	.0	.0	.0
AUG	100.0														775	.0	.0	.0
SEP	100.0														750	.0	.0	.0
OCT	98.6	.9	.1		.1									.3	775	.1	2.0	.0
NOV	92.5	6.3	.4	.3	.5									1.2	749	.3	3.7	.0
DEC	72.9	14.2	4.1	3.6	2.6	.8	.6	.6	.1	.1	.3			12.9	775	7.6	29.2	TRACE
ANNUAL	57.6	7.3	1.4	1.7	.7	.4	.2	.3	.2	.0	.0			5.1	9280	37.8		

1210 WS FORM 0-15-5 (OL1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AL HAL CLIMATOLOGY BRANCH
ETAC
AT WEATHER SVCIC /MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

STATION 64 OTIS AFB MA

STATION NAME

49-74

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49	3.0	3.0	3.9	TRACE	.0	.0	.0	.0	.0	.0	1.0	1.2	3.9
50	3.0	4.4	.8*	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.0	4.4
51	.8	7.0	1.5	.0	.0	.0	.0	.0	.0	.0	TRACE	1.8	9.0
52	3.8	6.3	1.6	.0	.0	.0	.0	.0	.0	.0	TRACE	.1	6.3
53	2.5	3.2	.2	5.7	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.7
54	8.0	.4	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	13.0	13.0
55	1.7	3.2	1.0	5.9	.0	.0	.0	.0	.0	.0	1.9	2.2	5.9
56	9.0	2.0	20.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.2	20.0
57	4.6	3.0	7.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	7.2
58	.6	4.5	3.4	3.2	.0	.0	.0	.0	.0	.0	.0	TRACE	4.8
59	.6	1.1	5.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	4.4	5.0
60	3.7	2.8	21.3	TRACE	.0	.0	.0	.0	.0	TRACE	.0	17.6	21.3
61	16.7	12.7	5.4	.3	.0	.0	.0	.0	.0	TRACE	TRACE	2.6	16.7
62	.9	7.1	.1	.3	.0	.0	.0	.0	.0	.0	TRACE	4.0	7.1
63	1.2	1.2	3.6	TRACE	.0	.0	.0	.0	.0	2.0	.0	5.4	5.4
64	13.0	7.0	1.4	.0	.0	.0	.0	.0	.0	.0	TRACE	5.6	13.0
65	10.5	1.2	.9	.1	.0	.0	.0	.0	.0	.0	TRACE	TRACE	10.5
66	4.6	5.6	4.4	TRACE	.0	.0	.0	.0	.0	.0	.0	2.4	5.6
67	TRACE	14.0	4.3	1.5	.0	.0	.0	.0	.0	.0	2.4	4.5	14.0
68	4.4	3.0	1.2	.0	.0	.0	.0	.0	.0	.0	TRACE	.3	4.4
69	.3	5.4	1.1	TRACE	.0	.0	.0	.0	.0	TRACE	.1	2.7	5.4
70	6.9	5.0	9.0	TRACE	.0	.0	.0	.0	.0	TRACE	.0	17.3	17.3
71	9.8	1.3	.1	3.0	.0	.0	.0	.0	.0	.0*	1.7	1.2	9.8
72	1.2	3.2	.5	2.5	.0	.0	.0	.0	.0	TRACE	.2	3.6	3.6
73	1.6	9.5	4.2	2.0	.0	.0	.0	.0	.0	.0	.0	TRACE	9.5
74	7.9	5.7	TRACE	TRACE	.0								
MEAN	4.63	4.80	3.93	.98	.00	.00	.00	.00	.00	.09	.23	4.04	9.33
S D	4.367	3.474	5.467	1.770	.000	.000	.000	.000	.000	.402	.629	4.886	5.392
TOTAL OBS	606	734	806	779	806	750	775	775	750	775	749	775	9280

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
JUL 64

0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES
 MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

10068
 STATION

OTIS AFB MA

STATION NAME

49-74

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS	
49	5.5	7.8	4.4	TRACE	.0	.0	.0	.0	.0	.0	1.0	1.2	19.9	
50	5.1	9.0	1.4	*TRACE	.0	.0	.0	.0	.0	.0	TRACE	5.2	* 20.7	
51	1.2	15.5	1.5	.0	.0	.0	.0	.0	.0	.0	TRACE	2.7	20.9	
52	10.0	19.9	2.6	.0	.0	.0	.0	.0	.0	.0	TRACE	.1	32.6	
53	3.7	5.4	.2	5.7	.0	.0	.0	.0	.0	.0	TRACE	TRACE	15.0	
54	23.4	.4	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	25.9	49.7	
55	2.7	5.2	3.5	5.9	.0	.0	.0	.0	.0	.0	3.7	4.8	25.8	
56	11.8	2.1	38.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	5.8	57.8	
57	13.6	4.2	18.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	36.4	
58	1.0	8.5	5.7	5.7	.0	.0	.0	.0	.0	.0	TRACE	6.9	27.8	
59	1.4	2.6	12.9	TRACE	.0	.0	.0	.0	.0	.0	TRACE	6.8	23.7	
60	8.0	4.1	34.5	TRACE	.0	.0	.0	.0	.0	TRACE	.0	24.9	71.5	
61	24.5	12.7	10.0	.3	.0	.0	.0	.0	.0	TRACE	TRACE	5.1	52.6	
62	2.0	23.3	.1	.3	.0	.0	.0	.0	.0	.0	.3	TRACE	7.1	33.1
63	2.5	1.9	8.2	TRACE	.0	.0	.0	.0	.0	2.0	.0	17.6	32.2	
64	22.7	26.5	2.4	.0	.0	.0	.0	.0	.0	.0	TRACE	11.0	62.6	
65	34.8	3.9	2.7	.1	.0	.0	.0	.0	.0	.0	TRACE	TRACE	41.5	
66	11.5	8.1	6.3	TRACE	.0	.0	.0	.0	.0	.0	.0	3.0	28.9	
67	TRACE	30.0	15.2	1.7	.0	.0	.0	.0	.0	.0	2.4	6.3	55.6	
68	10.0	7.2	1.3	.0	.0	.0	.0	.0	.0	.0	TRACE	.3	18.8	
69	.9	16.5	2.8	TRACE	.0	.0	.0	.0	.0	TRACE	.1	14.4	34.7	
70	15.3	9.5	19.2	TRACE	.0	.0	.0	.0	.0	TRACE	.0	29.2	73.2	
71	17.8	2.2	.1	4.3	.0	.0	.0	.0	.0	.0	* 2.2	2.8	* 29.4	
72	2.9	14.8	2.5	3.2	.0	.0	.0	.0	.0	TRACE	.3	8.5	32.2	
73	3.0	28.2	6.7	2.0	.0	.0	.0	.0	.0	.0	.0	TRACE	39.9	
74	22.7	16.5	TRACE	TRACE	.0									
MEAN	9.93	11.00	7.72	1.17	.00	.00	.00	.00	.00	.09	.31	7.58	38.54	
S.D.	9.437	8.724	10.106	2.056	.000	.000	.000	.000	.000	.402	.890	8.503	16.813	
TOTAL OBS	606	734	806	779	806	750	775	775	750	775	749	775	9280	

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

725068

OTTIS AFB MA

49-74

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	82.7	15.8	6.2	5.5	3.3	5.2	4.0	2.4						26.6	806			
FEB	56.8	11.9	9.0	5.3	5.4	4.9	4.0	2.7						31.3	734			
MAR	77.5	5.7	4.1	1.7	1.5	3.2	4.0	1.4	.9					16.7	806			
APR	47.6	1.4	.5	.4		.1								1.0	779			
MAY	100.0														806			
JUN	100.0														750			
JUL	100.0														775			
AUG	100.0														775			
SEP	100.0														750			
OCT	99.9		.1											.1	775			
NOV	98.5	.8	.5	.1										.7	749			
DEC	77.5	4.1	5.7	5.3	1.9	2.7	2.3	.4						18.3	774			
ANNUAL	89.2	2.9	2.2	1.5	1.0	1.3	1.2	.6	.1					7.9	9279			

GLOBAL CLIMATOLOGY BRANCH
 JAFETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNO. DEPTH

(FROM DAILY OBSERVATIONS)

STATION 65 OTIS AFB MA STATION NAME

49-74

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49	3	3	6	0	0	0	0	0	0	0	0	TRACE	6
50	2	2	1*	0	0	0	0	0	0	0	0	0	3
51	TRACE	14	TRACE	0	0	0	0	0	0	0	0	1	14
52	4	11	11	0	0	0	0	0	0	0	TRACE	TRACE	11
53	3	2	0	1	0	0	0	0	0	0	0	0	3
54	13	TRACE	0	0	0	0	0	0	0	0	0	13	13
55	4	4	1	2	0	0	0	0	0	0	0	2	4
56	9	1	33	1	0	0	0	0	0	0	0	4	33
57	4	4	7	TRACE	0	0	0	0	0	0	0	0	7
58	TRACE	9	TRACE	0	0	0	0	0	0	0	0	7	9
59	TRACE	1	4	TRACE	0	0	0	0	0	0	0	4	4
60	4	1	34	0	0	0	0	0	0	0	0	18	34
61	18	23	5	0	0	0	0	0	0	0	0	2	23
62	7	13	1	TRACE	0	0	0	0	0	0	0	4	13
63	1	2	4	0	0	0	0	0	0	1	0	12	12
64	20	14	11	0	0	0	0	0	0	0	0	3	20
65	14	3	1	0	0	0	0	0	0	0	0	0	14
66	5	5	4	0	0	0	0	0	0	0	0	3	5
67	0	14	12	2	0	0	0	0	0	0	2	3	14
68	4	1	3	0	0	0	0	0	0	0	0	2	4
69	TRACE	4	14	0	0	0	0	0	0	0	0	4	14
70	0	3	7	6	0	0	0	0	0	0	0	5	6
71	12	2	TRACE	0	0	0	0	0	0	0*	1*	1	12
72	1	5	TRACE	1	0	0	0	0	0	0	TRACE	1	5
73	2	14	3	0	0	0	0	0	0	0	0	TRACE	14
74	10	4	0	0	0								
MEAN	5.6	6.1	6.2	.5	.0	.0	.0	.0	.0	.0	.1	3.8	12.3
S.D.	5.756	5.908	9.048	1.295	.000	.000	.000	.000	.000	.200	.448	4.568	8.494
TOTAL OBS	876	734	806	779	806	750	775	775	750	775	749	774	9279

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- *2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
JCAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

725 68
STATION

OTIS AFB MA

STATION NAME

51-52, 58-74

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
51													
52	NNE*56NNE*59NNE*46ESE*41SSW 45NNE 32SW *38												
53													
54													
55													
56													
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
MEAN	44.3	46.0	46.9	43.6	37.9	33.0	33.0	35.2	38.5	37.6	44.6	43.9	54.4
S.D.	6.356	7.746	6.093	6.768	7.836	3.282	5.516	5.918	11.205	6.222	6.223	5.682	8.280
TOTAL OBS	500	458	506	479	502	486	502	486	472	504	470	485	5850

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
JUL 64

0-88-5 (OLA)

(BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

RELATIVE HUMIDITY

STATION

STIS AFB MA

STATION NAME

69-70, 73, 76-81

PERIOD

JAN
MON

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	99.1	95.1	80.0	60.5	44.1	25.8	8.1	66.8	912
	03-05	100.0	100.0	99.5	96.2	83.7	64.5	46.1	25.9	7.6	67.5	911
	06-08	100.0	100.0	99.8	95.7	84.2	66.0	45.5	24.6	6.2	67.9	924
	09-11	100.0	100.0	98.2	89.4	72.0	50.4	34.7	21.0	5.9	62.6	937
	12-14	100.0	99.8	95.0	79.4	56.5	39.8	27.1	17.9	4.8	57.0	924
	15-17	100.0	99.7	95.7	82.2	63.1	45.0	30.5	16.6	5.5	59.4	928
	18-20	100.0	100.0	98.1	90.4	73.1	56.1	39.5	21.1	6.2	64.1	925
	21-23	100.0	100.0	98.9	91.8	76.1	58.7	44.2	24.7	6.8	65.7	924
TOTALS		100.0	99.9	98.2	90.0	73.5	55.1	39.0	22.5	6.6	64.0	7378

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1256
STATION

OTIS AFB MA

STATION NAME

68-70,73,75-80

YEARS

AUG

MONTH

ALL WEATHER

CLASS

ALL

HOURLY (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.9	1.9	.6	.0	.0						5.1	7.1
NNE	.3	1.6	1.9	.9	.1	.0						4.9	8.4
NE	.3	1.7	1.4	.9	.1	.0						4.5	8.1
ENE	.2	1.1	.8	.5	.2	.0						2.9	8.5
E	.4	.7	.4	.1	.0							1.6	5.6
ESE	.1	.4	.2									.7	5.3
SE	.2	.5	.3	.0								1.0	5.6
SSE	.4	.3	.5	.1	.1							2.0	6.5
S	.5	2.3	2.1	.7	.1	.0						5.7	7.3
SSW	.4	1.9	2.1	.9	.2	.7						5.5	8.0
SW	.8	3.0	4.3	2.9	.4	.0	.0					11.4	8.9
WSW	.6	3.8	5.9	4.9	1.0	.0						16.2	9.7
W	.7	3.0	3.5	1.5	.3							9.0	8.1
WNW	.3	1.1	.9	.5	.0							2.8	7.6
NW	.5	1.7	1.2	.3	.0							3.1	6.8
NNW	.5	1.6	.7	.4	.1	.0						3.2	6.7
VARBL													
CALM												20.3	
	6.8	26.7	28.0	15.2	2.7	.2	.0					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

7383

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 068 STATION NAME OTIS AFB MA YEARS 68-70, 73, 75-80 SLP 0000-0200
STATION NORTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.7	2.4	.4								6.7	6.4
NNE	.7	1.4	.6	.4	.1							3.2	6.6
NE	.7	1.6	.9	.3								3.5	6.2
ENE	.2	1.0	.4	.2	.1							2.0	7.3
E	.2	.4	.9	.2								1.8	7.6
ESE		.5		.1								.7	6.2
SE		.3	.6	.1								1.0	7.3
SSE	.6	1.0	.8									2.3	5.3
S	.8	1.0	.3	.6	.1							2.8	6.7
SSW	.4	.3	2.2	.3								3.3	8.3
SW	1.0	1.8	2.4	1.3								6.6	7.7
WSW	.6	1.1	4.0	2.4	1.1							9.2	10.3
W	.7	1.9	2.1	1.1	.2							6.0	8.1
WNW	.1	1.7	.7	.1								2.6	5.8
NW	.9	2.9	.9									4.7	5.0
NNW	2.0	3.6	1.0	.1	.2							6.9	5.0
VARBL													
CALM												36.7	
	2.9	23.3	20.3	7.9	1.9							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 898

2

JOURNAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 6P OTIS AFB MA STATION NAME 6P-70,73,75-80 YEARS SEP
MONTH 0300-0500
HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.7	2.0	.6								7.2	6.1
NNE	.7	1.2	.6	.3								2.8	5.8
NE	.3	1.9	.6	1.1								3.9	7.5
ENE		.2	.9	.1								1.2	8.8
E	.1	1.1	1.4		.1							2.8	7.4
ESE		.2	.2	.2								.7	9.5
SE	.1	.7	.3	.1								1.2	6.0
SSE	.1	.6	.6									1.2	6.6
S	.6	1.3	1.4	.3								3.7	6.9
SSW	.3	.7	1.2	.2								2.5	7.5
SW	1.1	1.9	1.2	.6								4.8	6.4
WSW	.6	2.3	3.6	1.8	.4							8.7	8.7
W	.4	.9	2.5	.8	.2							4.8	8.5
WNW	.3	2.7	.8	.2								4.2	5.6
NW	1.7	2.2	1.2									5.1	4.7
NNW	1.4	4.0	.1									5.6	4.3
VARBL													
CALM												39.6	
	7.5	25.2	18.6	6.4	.8							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 897

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 6A

OTIS AFB MA

STATION NAME

6A-70, 73, 75-80

YEARS

SEP

MONTH

ALL WEATHER

CLASS

0600-0800

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	3.3	3.7	1.2								8.3	7.2
NNE	.6	2.3	2.1	.8								5.8	7.3
NE	.4	1.4	2.0	.9	.1							4.9	8.2
ENE	.3	1.2	2.2	.3								4.1	7.8
E	.3	1.4	1.1	.2								3.1	6.6
ESE	.1	.1	.7		.1							1.0	8.2
SE		.6	.8	.1	.1							1.6	8.1
SSE	.1	.2	.4	.1								.9	7.8
S	.4	1.4	.8	.6								3.2	6.7
SSW	.1	1.0	1.6	.8								3.4	8.4
SW	.8	3.0	2.7	.8	.1							7.3	7.0
WSW	.1	1.9	2.6	2.1	.7							7.3	10.0
W	.3	1.4	2.0	1.2	.1							5.1	8.6
WNW	.3	1.4	1.6	.7								4.0	7.4
NW	.6	3.4	2.2	.8								7.0	6.8
NNW	1.0	3.2	1.4	.4								6.1	5.9
VARBL													
CALM												26.8	
	6.3	27.6	27.1	11.0	1.2							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
NO WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

128168
STATION

OTIS AFB MA

STATION NAME

68-70,73,75-80

YEARS

SEP

MONTH

ALL WEATHERP

CLASS

0930-1100

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.3	3.2	1.2	.2							6.2	9.0
NNE	.3	3.3	3.8	2.7	.1							10.2	8.8
NE	.3	1.7	2.2	1.6	.1							5.9	8.7
ENE	.3	1.3	2.6	1.8	.3							6.3	9.5
E	.6	1.2	1.7	.6								3.3	7.1
ESE	.1	.4	.4									1.0	6.3
SE	.1	.2	2.1	.3								2.8	8.6
SSE		1.4	.8	.2								2.4	7.0
S	.2	2.3	1.7	1.0	.1							5.3	8.0
SSW	.1	1.7	2.1	1.8	.2							5.9	9.3
SW	.2	1.1	2.3	2.2	.7							6.6	11.0
WSW	.3	1.4	3.0	4.7	.9							10.3	10.8
W	.4	3.0	2.6	1.9	.2							8.1	8.6
WNW	.2	1.4	1.9	1.1								4.7	8.5
NW	.3	2.0	2.7	1.3	.1							6.4	8.5
NNW	.1	1.7	1.8	1.0	.1							4.7	8.4
VARBL													
CALM												9.8	
	4.0	25.7	34.1	23.3	3.1							100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

900

1
2
FEDERAL CLIMATOLOGY BRANCH
USAFETAC
4 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

NOV 68
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

SEP

MONTH

ALL WEATHER

CLASS

1200-1400

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.7	1.6	1.8	.3	.1						5.7	9.7
NNE	.2	2.2	2.1	3.1	.1							7.8	9.4
NE	.1	2.3	4.6	2.1	.1							9.2	9.1
ENE	.2	1.4	3.0	.8	.7							6.1	9.5
E	.2	1.7	1.6	.1								3.6	6.6
ESE		.3	.8	.2								1.3	8.8
SE		.4	.9	.2								1.6	8.4
SSE	.2	1.7	1.0	.8								3.7	7.5
S	.2	1.7	2.9	.6	.1	.1						5.6	8.5
SSW		1.7	3.6	2.6	.4	.2						8.5	10.8
SW	.2	1.0	3.3	3.8	1.3	.1						9.8	11.7
WSW	.2	2.3	4.4	4.1	.9							12.0	10.3
W	.1	2.3	3.1	2.1	.2							7.9	9.0
WNW	.4	.9	2.2	1.1	.2							4.9	8.9
NW		.9	1.6	.6	.2							3.2	9.3
NNW	.1	1.0	1.4	.3	.3							3.2	8.8
VARBL													
CALM												6.0	
	2.6	23.6	38.0	24.2	5.0	.6						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 68 OTIS AFB MA STATION NAME 68-70,73,75-80 YEARS SEP MONTH 1500-1700 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	2.0	.7	.3							4.7	8.6
NNE	.4	1.8	2.4	1.9	.1							6.7	8.9
NE	.9	3.1	3.6	1.2	.8							9.6	8.4
ENE	.2	2.5	2.9	.8								6.4	7.5
E	.4	1.7	1.4									3.6	6.2
ESE	.2	1.1	.8									2.1	5.9
SE	.3	2.0	.8	.2								3.3	5.9
SSE	.4	2.1	1.3	.1								4.0	6.6
S	.4	2.3	3.2	1.2	.1							7.3	8.0
SSW		1.2	2.2	1.0	.1							4.6	9.3
SW		1.6	5.0	5.3	1.7	.1						13.7	11.7
WSW	.1	4.2	4.8	4.7	.3	.1						14.2	9.5
W	.1	2.2	1.4	1.4	.2							5.4	8.9
WNW		.6	1.4	.9	.1							3.0	10.0
NW	.1	.4	2.0	.7								3.2	9.2
NNW	.4	.8	.8	.2	.1							2.3	6.7
VARBL													
CALM												5.9	
	4.7	28.9	36.1	20.3	3.9	.2						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION OTIS AFB MA STATION NAME OTIS AFB MA YEARS 68-70, 73, 75-80 MONTH SEP
CLASS ALL WEATHER 1800-2000
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.6	.9	.3								3.7	5.7
NNE	.3	2.8	1.3	.8								5.2	7.3
NE	.9	2.6	.7	.6								4.7	6.1
ENE	.6	2.1	2.0	.3								5.0	6.8
E	.2	1.7	.4	.1								2.4	5.9
ESE	.8	1.0	.2									2.0	4.2
SE	.4	1.6	.3									2.3	4.7
SSE	1.1	1.2	.4	.1								2.9	5.0
S	.7	1.9	1.1	.7	.3							4.7	7.4
SSW	.4	4.0	1.9	1.1								7.4	6.9
SW	1.0	4.0	3.3	3.0								11.3	8.1
WSW	1.1	3.1	3.8	2.8	.6	.2	.1					11.7	9.2
W	.1	1.7	1.0	.7								3.4	7.5
WNW	.4	1.1	.9	.1								2.6	6.2
NW	.1	.9	.2	.1	.1							1.3	6.9
NNW	.8	.7										1.4	3.3
VARBL													
CALM												27.9	
	9.9	31.7	18.6	10.7	1.0	.2	.1					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 900

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

SEP 68
STATION

OTIS AFB MA
STATION NAME

68-70,73,75-80
YEARS

SEP
MONTH
2100-2300
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.9	2.0	.6	.1							6.0	6.2
NNE	.1	1.7	.9	.4								3.1	7.1
NE	.3	2.6	.8	.2	.1							4.0	6.3
ENE	.4	1.6	.3	.2	.2							2.8	6.8
E	.1	1.7	.4									2.2	5.4
ESE	.6	.7	.3	.1								1.7	5.2
SE	.3	1.3	.2									1.9	4.7
SSE	.6	1.2	.4									2.2	5.3
S	.7	1.3	.7	.9	.1							3.7	7.2
SSW	.6	1.9	1.3	.8	.1							4.7	7.6
SW	.7	2.4	2.2	2.9	.1							8.3	8.9
WSW	.7	3.9	2.6	2.1	.6							9.8	8.3
W	.7	1.1	1.6	.8	.8							4.9	9.5
WNW		1.7	1.0	.1								2.8	6.4
NW	.7	2.7	.4	.2	.1							3.4	5.7
NNW	.6	1.6	.7	.1								2.9	5.8
VARBL													
CALM												35.7	
	8.3	28.4	15.9	9.4	2.2							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

900

JOINT PAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 68 OTIS AFB MA STATION NAME 68-70,73,75-60 YEARS SEP MONTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.1	2.1	.8	.1	.0						6.1	7.4
NNE	.4	2.1	1.7	1.3	.1							5.6	8.1
NE	.5	2.1	1.9	1.0	.2							5.7	7.9
ENE	.3	1.4	1.8	.6	.2							4.3	8.1
E	.3	1.4	1.0	.2	.0							2.8	6.6
ESE	.2	.6	.4	.1	.0							1.3	6.3
SE	.2	.9	.8	.1	.0							2.0	6.6
SSE	.4	1.2	.7	.2								2.5	6.3
S	.5	1.7	1.5	.7	.1	.0						4.5	7.6
SSW	.3	1.6	2.0	1.1	.1	.0						5.0	8.7
SW	.6	2.1	2.8	2.5	.5	.0						8.5	9.4
WSW	.5	2.5	3.6	3.1	.7	.0	.0					10.4	9.6
W	.4	1.8	2.0	1.3	.3							5.7	8.6
WNW	.2	1.5	1.3	.5	.0							3.6	7.5
NW	.5	1.8	1.4	.5	.1							4.3	6.9
NNW	.8	2.1	.9	.3	.1							4.1	6.0
VARBL													
CALM												23.5	
	6.9	26.8	26.1	14.2	2.4	.1	.0					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 7194

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106P
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

OCT

MONTH

ALL WEATHER

CLASS

0000-0200

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.0	1.6	.6	.3							5.1	7.7
NNE	.1	1.0	1.3	.6								3.0	8.4
NE	.2	1.2	1.3	.8								3.4	7.9
ENE	.3	.8	.5	.4								2.0	7.5
E	.1	1.1	.5	.3								2.0	7.2
ESE	.3	.6	.3	.4								1.7	7.1
SE	.1	.5	.3									1.0	6.1
SSE	.3	.4	.5	.3								1.6	7.6
S	.6	.9	.6	.4								2.6	6.6
SSW	.6	.2	.8	.2								1.8	6.8
SW	.3	1.2	1.4	1.2	.4							4.5	9.5
WSW	.8	2.6	2.5	1.8	.3							8.0	8.5
W	.6	2.5	4.2	2.8	.8							10.9	9.5
WNW	.3	1.9	2.3	1.6	.4							6.6	9.1
NW	.8	3.7	3.6	1.1								9.0	7.3
NNW	.9	3.2	1.6	.2								5.9	5.9
VARBL													
CALM												30.8	
	6.9	23.8	23.4	12.9	2.3							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 068 OTIS AFB MA STATION NAME 68-70, 73, 75-80 YEARS OCT NORTH
CLASS ALL WEATHER
CONDITION

0300-0500
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	3.2	1.3	.5	.3							5.5	7.2
NNE	.1	.3	.9	1.0								2.3	9.6
NE	.4	1.2	2.6	.9								5.1	8.1
ENE	.2	.8	1.1	.4								2.5	8.1
E	.1	1.7	.5	.1								1.7	7.0
ESE	.1	.5	.4	.5								1.6	8.8
SE		.6	.8	.2								1.6	7.5
SSE	.2	.3	.5									1.1	6.3
S	.1	1.5	.1	.1								1.8	5.5
SSW	.2	.4	1.0									1.6	7.1
SW	.2	.6	1.2	1.2	.2							3.4	10.0
WSW	.6	2.6	2.8	.9	.4							7.3	8.3
W	1.1	3.1	3.3	3.0	.6							11.2	9.0
WNW	.4	2.8	1.6	1.2	.3							6.3	8.0
NW	.2	4.3	3.0	1.0								8.2	7.2
NNW	.6	2.8	2.6	.2								6.2	6.7
VARBL													
CALM												32.6	
	5.1	25.6	23.7	11.2	1.9							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 930

2
2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NOV 68
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

OCT

MONTH

ALL WEATHER

CLASS

0600-0800

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.5	2.6		.3							5.8	7.2
NNE	.1	1.1	1.2	1.2	.1							3.7	9.4
NE	.3	.0	2.5	1.1								4.7	8.8
ENE	.4	1.0	1.8	.6								3.9	7.9
E	.1	1.1	.5	.2								1.9	6.7
ESE	.3	.8	.5	.5								2.2	7.6
SE	.1	1.3	.8	.2								2.4	6.5
SSE	.1	.3	.9	.1								1.4	8.0
S	.4	1.7	1.1	.5								3.8	7.0
SSW	.1	.9	1.6	.5								3.1	8.4
SW	.3	.9	.5	1.2	.1							3.0	9.0
WSW	.6	2.0	2.2	.4	.3	.1						5.7	7.7
W	.5	4.3	4.1	2.7	1.1							12.7	9.1
WNW	.4	2.3	2.6	1.3	.4	.1						7.1	8.9
NW	.4	3.4	3.7	1.3	.2							9.0	8.0
NNW	.1	2.7	3.4	1.1								7.3	8.0
VARBL													
CALM												22.3	
	5.0	27.0	29.9	13.0	2.6	.2						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1968 OTIS AFB MA 68-70, 73, 75-80 OCT
STATION NAME YEARS
ALL WEATHER CLASS
CONDITION
2900-1100 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.0	3.7	2.7	.6							9.3	9.9
NNE		.5	3.6	1.7	.3							6.4	10.2
NE	.2	1.4	2.8	1.6	.2							6.2	9.2
ENE	.3	1.3	1.7	1.3	.1							4.7	8.8
E	.2	1.3	1.0	.1								2.6	6.3
ESE	.1	.5	.9	1.1	.1							2.7	10.1
SE		.3	2.4	.3								3.0	8.9
SSE	.1	1.1	1.5	.2								2.9	8.0
S	.2	1.3	1.3	.5	.1							3.4	8.0
SSW	.2	.4	1.7	1.9	.3							4.6	10.5
SW		1.5	1.8	1.2	.8	.3						5.6	11.3
WSW		1.0	3.7	2.8	.5							8.0	10.6
W	.2	2.3	3.9	3.6	.6	.1						10.7	10.3
WNW	.1	1.4	3.6	3.0	.6	.2						6.9	11.1
NW	.2	1.4	2.4	2.2	.5	.2						6.9	10.6
NNW		1.5	3.0	1.5	.2							6.2	9.4
VARBL													
CALM												7.9	
	2.4	19.3	38.8	25.7	5.2	.9						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 929

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

0068
STATION

OTIS AFB MA

STATION NAME

68-70,73,75-80

YEARS

OCT

MONTH

ALL WEATHER

CLASS

1200-1400

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.1	3.2	2.2	.9							8.4	9.9
NNE	.2	.5	4.1	2.8	.5	.1						8.3	10.7
NE	.3	1.7	2.7	1.7	.3							6.8	8.8
ENE	.1	1.8	1.6	1.3	.1							4.9	8.7
E	.1	1.3	.4	.3								2.2	6.6
ESE	.1	1.6	.2	1.0	.1	.1						3.1	9.3
SE	.1	.9	1.7	.5								3.2	8.5
SSE	.2	.4	1.6	.5								3.1	8.4
S	.4	1.9	1.3	.8	.4							4.8	8.3
SSW		.6	1.9	1.7	.5							4.8	10.9
SW		.4	2.9	1.9	1.0	.5						7.1	12.5
WSW		1.4	3.3	5.9	1.5	.3						12.5	12.3
W	.2	3.5	3.5	5.1	1.4	.1						13.9	10.7
WNW		1.7	1.9	1.8	.4							5.2	10.9
NW	.1	.9	2.7	1.6	.4							5.7	10.6
NNW		.6	.9	.5	.2							2.3	10.1
VARBL													
CALM												3.8	
	2.0	21.4	34.1	29.7	7.8	1.2						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
CFAFLTAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 69 OTIS AFB MA STATION NAME 68-70, 73, 75-80 YEARS OCT
MONTH
1500-1700
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	2.7	1.7	.3							0.2	9.5
NNE	.2	2.4	2.9	1.7	.1	.1						8.1	8.3
NE	.3	2.4	2.6	1.0	.2							6.5	8.2
ENE	.2	2.7	1.4	.6	.2							5.2	7.5
E	.3	1.0	.3		.1							1.7	6.1
ESE	.2	.8	.9	.8	.1							2.7	9.0
SE	.4	2.0	1.3	.2	.2	.1						4.3	7.3
SSE	.1	1.7	1.4	.2	.1							3.5	7.2
S	.6	2.0	2.4	.3	.3							5.7	7.7
SSW	.4	1.2	1.9	1.2	.2	.1						5.1	9.2
SW	.3	1.2	2.3	1.8	.4	.1						6.1	10.7
WSW	.1	1.8	4.2	6.3	1.7	.1						14.3	11.5
W	.6	1.9	4.5	2.5	.6	.1						10.3	9.7
WNW	.1	1.2	2.8	1.8	.2							6.1	9.8
NW	.5	1.3	2.2	1.4	.3							5.7	9.0
NNW	.3	.5	.5	.6	.1	.1						2.3	10.0
VARBL													
CALM												6.2	
	6.0	25.2	34.2	22.3	5.4	.8						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 930

1
2GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MACPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

03-68
STATION

CTIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

OCT

MONTH

1800-2000
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.5	.9	1.2								4.7	7.0
NNE	.2	1.3	1.0	.3	.6							3.4	9.3
NE	.6	1.9	.9	.5	.1							4.1	7.0
ENE	.4	1.2	1.6	.6								3.9	7.9
E	.4	.8	.3	.3								1.8	6.2
ESE	.5	1.2	.4	.1								2.3	5.3
SE	.2	.6	.8	.1								1.7	7.0
SSE		.9	.2	.2		.1						1.4	8.2
S	1.4	2.3	1.6	.8	.4							6.5	7.2
SSW	.9	1.5	1.0	.6	.4							4.4	8.0
SW	.2	1.9	.8	.8	.4							4.1	8.8
WSW	.3	3.7	3.3	2.4	.5							10.2	8.8
W	.3	3.9	2.9	2.3	.5							9.9	8.5
WNW	.1	1.8	2.0	.9	.3	.1						5.3	9.0
NW	.3	2.5	1.9	1.5	.2							6.5	8.3
NNW	.1	1.8	.5	.4	.2							3.1	7.5
VARBL													
CALM												26.8	
	7.3	28.7	20.1	13.0	3.9	.2						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

930

0
2
1

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

01 68
STATION

OTIS AFB MA
STATION NAME

68-70,73,75-80
YEARS

OCT
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.2	1.4	.8	.2							4.4	8.0
NNE	.3	1.2	.9	.5	.3							3.2	8.7
NE	.2	1.4	1.0	.3	.2							3.5	7.7
ENE	.5	.8	1.0	.3	.1							2.7	7.4
E	.2	1.0	1.2	.4								2.8	7.3
ESE	.2	.4	.5									1.2	6.4
SE	.5	.8	.1									1.4	4.1
SSE		.5	.5									1.1	7.2
S	.8	1.1	1.2	.4	.3							3.8	7.8
SSW	.4	1.0	.8	.2	.3							2.7	7.8
SW	.5	2.2	1.0	.9	.4		.1					5.1	8.6
WSW	.5	2.6	2.7	1.8	.4							8.1	8.9
W	.6	3.1	4.2	2.0	.2							10.2	8.5
WNW	.4	1.9	3.2	1.9	.3							7.8	9.0
NW	.5	1.9	2.6	1.2	.2							6.5	8.2
NNW	.4	1.9	1.5	.9								4.7	7.4
VARBL													
CALM												30.9	
	6.6	24.0	23.7	11.7	3.1		.1					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

000068
STATION

OTIS AFB MA
STATION NAME

68-70,73,75-80
YEARS

OCT
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.4	2.1	2.2	1.2	.4							6.2	8.5
NNE	.2	1.1	2.0	1.2	.3	.0						4.8	9.4
NE	.3	1.6	2.0	1.0	.1							5.0	8.3
ENE	.3	1.3	1.3	.7	.1							3.7	8.0
E	.2	1.0	.6	.2	.0							2.1	6.7
ESE	.2	.5	.5	.6	.0	.0						2.2	8.2
SE	.2	.9	1.0	.2	.0	.0						2.3	7.3
SSE	.1	.8	.9	.2	.0	.0						2.0	7.7
S	.6	1.6	1.2	.5	.2							4.0	7.4
SSW	.4	.8	1.3	.8	.2	.0						3.5	9.0
SW	.2	1.3	1.5	1.3	.5	.1	.0					4.9	10.3
WSW	.4	2.2	3.1	2.8	.7	.1						9.3	9.9
W	.5	3.1	3.8	3.0	.7	.0						11.2	9.5
WNW	.2	1.9	2.5	1.7	.4	.1						6.7	9.5
NW	.4	2.4	2.7	1.4	.2	.0						7.2	8.5
NNW	.3	1.9	1.8	.7	.1	.0						4.8	7.8
VARBL													
CALM												20.1	
	5.1	24.4	28.5	17.4	4.0	.4	.0					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

7437

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

23 62
STATION

STATION NAME

YEARS

NOV
MONTH

CLASS

MOORE (L. A. T.)

CONDITION

TOTAL NUMBER OF OBSERVATIONS**USAFETAC**

FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

FORM 6A
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

NOV

MONTH

ALL WEATHER

CLASS

0300-0500

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.2	1.1	.9	.4	.2						3.7	10.7
NNE	.2	1.2	1.6	.4	.4							3.8	8.7
NE	.1	.5	1.3	.6								2.6	8.9
ENE	.1	2.2	1.7	.4								4.4	7.0
E	.4	2.1	1.5	1.0								4.9	7.3
ESE	.2	.2	.5	.1								1.1	6.7
SE	.1	.2	.9	.2								1.5	8.9
SSE	.4	.1	.5									1.0	6.3
S	.4	1.5	.6	.9	.2							3.6	8.5
SSW	.2	.9	.9	.4		.1						2.5	8.6
SW	.1	.5	1.5	.6	.5		.2					3.6	11.4
WSW	.4	1.3	2.9	1.3	.6							6.2	10.2
W	.1	2.2	4.2	2.7	.9							10.0	9.9
WNW	.1	3.4	2.8	.9	.1							7.4	7.9
NW	.1	3.8	4.4	1.7	.6							10.7	8.6
NNW		1.5	2.1	1.0	.1							4.8	8.8
VARBL													
CALM												28.4	
	3.2	22.5	28.4	13.0	3.8	.4	.2					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

816

2
FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 0063
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

NOV

MONTH

ALL WEATHER

CLASS

0600-0800

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.9	1.0	.6	.6	.1						5.0	8.2
NNE	.4	.7	1.2	.6		.2						3.1	8.9
NE	.3	.8	1.7	.6	.1							3.5	8.6
ENE	.2	1.1	1.8	1.0	.1							4.2	8.9
E	.1	1.4	2.4	.1	.1							4.2	7.4
ESE	.2	.3	1.1									1.7	7.6
SE	.2	.3	.6	.2	.1							1.4	8.2
SSE	.4	.6	.4	.2								1.9	5.8
S	.8	1.4	1.8	.3								4.3	6.6
SSW	.1	.7	.3	.6	.1							1.8	8.8
SW	.4	.8	1.6	.9	.6	.1						4.3	10.1
WSW		1.0	1.7	2.0	.4	.1						5.2	11.1
W	.2	1.9	3.6	3.7	.9							10.2	10.2
WNW	.2	3.0	4.7	2.0	.2							10.1	8.6
NW	.3	3.5	4.7	1.1	.3							9.9	8.3
NNW	.7	2.0	3.6	1.3								7.6	8.0
VARBL													
CALM												21.4	
	5.7	21.6	32.1	15.1	3.6	.6						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

898

2

CEPRAL CLIM/TOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

NOV 68
STATION

OTIS AFB MA

STATION NAME

68-70,73,75-80

YEARS

NOV

MONTH

0900-1100

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.8	2.0	1.6	.9	.1						7.1	10.0
NNE	.2	.9	1.1	1.2	.1	.2						3.8	10.5
NE	.1	.9	1.7	1.4		.1		.1				4.3	10.6
ENE		.7	1.7	1.3	.1							3.8	10.4
E	.2	.7	2.8	1.4								5.1	9.0
ESE		.7	.8	.4	.1							2.3	9.2
SE		.8	.9	1.0								2.7	9.2
SSE	.2	1.1	.8									2.1	6.1
S	.2	1.4	1.4	.4	.2							3.8	8.0
SSW	.2	.8	1.7	1.2	.2							4.1	10.1
SW		.6	2.0	1.2	.9	.1						4.8	12.1
WSW	.2	.9	2.0	2.8	1.2	.1						7.2	11.8
W	.1	1.4	5.1	4.8	1.0	.1						12.6	11.4
WNW		2.7	3.5	4.3	.9							11.4	10.8
NW	.3	1.9	4.8	2.9	.8							10.7	10.0
NNW	.2	1.0	3.2	2.0	.2							6.7	9.7
VARBL													
CALM												7.8	
	2.9	18.2	35.4	28.2	6.7	.8		.1				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

05168
STATION

OTIS AFB MA

STATION NAME

68-70,73,75-80

YEARS

NOV

MONTH

ALL WEATHER

CLASS

1200-1400

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.7	1.9	1.4	.7	.1						5.9	10.1
NNE	.2	.4	2.6	1.1	.7							5.0	10.8
NE	.1	1.4	1.3	1.8	.1	.3						5.1	10.6
ENE	.1	1.2	1.3	1.2	.4	.1						4.5	10.3
E		.6	1.6	.3								2.5	8.7
ESE	.1	.9	1.9	.8								3.7	8.3
SE		.8	1.7	.8	.2							3.5	10.0
SSE		1.4	.7									2.5	6.0
S	.3	1.6	1.2	1.2								4.3	8.4
SSW	.1	.6	1.1	.8	.2							2.8	10.1
SW		.8	2.2	2.0	.9	.2	.1					6.2	12.6
WSW	.2	1.1	3.7	3.3	1.4		.1					9.9	11.5
W		2.6	5.6	5.6	1.3	.3	.1					15.5	11.5
WNW	.2	2.2	4.0	3.7	1.0							11.1	10.5
NW	.2	1.2	2.7	3.6	.3	.1						8.1	11.0
NNW	.3	1.1	1.4	1.8	.2							4.9	9.6
VARBL													
CALM												4.5	
	2.1	20.0	34.9	29.4	7.6	1.2	.3					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1951-69 STATION 0115 AFB MA 68-70, 73, 75-80 NOV
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	1.7	.8	.6	.1						2.9	11.9
NNE	.3	1.7	1.8	1.2	.6	.3						5.9	10.2
NE	.2	1.9	2.3	1.8	.3							6.6	9.5
ENE	.1	1.6	1.4	.2		.2						3.6	7.8
E	.3	1.7	1.0	.8	.2							3.3	8.7
ESE	.2	1.3	1.8	.3								3.7	7.3
SE	.6	1.2	.8	.4	.2							3.2	7.6
SSE	.3	1.3	1.1									2.8	5.9
S	.7	1.1	1.6	.3	.1							3.8	7.4
SSW	.2	.8	1.1	.3	.6	.1						3.1	10.1
SW		2.7	2.6	2.4	.7							7.7	10.4
WSW	.2	2.7	4.0	4.1	.6	.1						11.7	10.2
W		2.6	4.6	3.7	.9	.2						11.9	10.4
WNW	.2	1.3	4.7	2.6	.4							9.2	10.0
NW		.9	2.9	2.7	.3							6.7	11.2
NNW	.4	1.2	1.9	2.0	.3							5.9	9.7
VARBL													
CALM												8.2	
	4.0	22.8	34.4	23.7	5.8	1.1						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 160 OTIS AFB MA STATION NAME 68-70,73,75-80 YEARS NOV MONTH
ALL WEATHER CLASS 1800-2000 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.9	.7	.8	.3	.2	.2					3.8	10.4
NNE	.3	.9	1.2	.8	.3	.6	.1					4.1	12.0
NE	.3	1.1	1.7	.6	.1							3.8	8.0
ENE	.4	1.6	1.1	.3								3.4	6.5
E	.2	2.1	1.1	.3	.3							4.1	7.6
ESE	.4	.9	.7	1.0								2.9	8.3
SE	.3	.6	.3	.6	.1							1.9	8.5
SSE	.3	.9	.9	.1	.1							2.3	6.9
S	.6	1.3	1.3	.9	.2	.2						4.6	9.1
SSW		1.0	1.1	.9	.1							3.1	9.8
SW	.6	2.2	2.1	1.4	.2							6.6	8.7
WSW	.4	1.9	2.9	1.3		.1						6.7	8.7
W	.3	3.7	3.8	1.6	.6							9.9	8.6
WNW	.2	2.0	4.6	2.8	.2							9.8	9.5
NW	.3	1.4	3.0	2.6	.1							7.5	9.9
NNW	.7	1.0	1.4	.9	.4		.1					4.6	9.3
VARBL													
CALM												21.0	
	6.3	23.1	27.9	16.8	3.2	1.1	.4					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 899

2
 CENTRAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1968 OTIS AFB MA 68-70, 73, 75-80 NCV
 STATION STATION NAME YEARS MONTH
 ALL WEATHER
 CLASS
 CONDITION
 2100-2300
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.9	.6	.6	.4			.2				3.1	11.1
NNE	.1	1.1	.9	.2	1.1		.1					3.6	11.8
NE	.2	1.0	1.2	.7								3.1	7.8
ENE	.1	1.6	1.3	.2								3.2	6.7
E	.3	1.9	1.1	.1								3.4	6.1
ESE	.4	.1	1.2	.7								2.4	8.6
SE	.2	.6	.9	.4	.1							2.2	8.8
SSE	.2	.8	.7	.2	.1							2.0	7.4
S	.3	1.4	.9	1.0	.2							3.9	8.7
SSW	.1	1.6	.2	1.2	.3	.2						3.7	10.3
SW	.1	1.1	2.0	.7	.4	.1						4.4	9.8
WSW		1.1	1.4	1.8	.4							4.8	10.8
W	.7	2.3	4.7	2.9	.6							11.1	9.5
WNW	.6	2.4	3.1	3.3	.2							9.7	9.2
NW	.4	2.9	3.4	1.7	.6							9.0	8.8
NNW	.2	1.3	2.0	1.0	.6		.1	.1				5.3	10.4
VARBL													
CALM												25.0	
	4.6	22.1	25.7	16.7	5.1	.3	.2	.3				100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 900

2
FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

65 STATION OTIS AFB MA STATION NAME 68-70,73,75-80 YEARS NCV MONTH ALL HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	1.2	.9	.5	.1	.0	.0				4.4	10.3
NNE	.3	.9	1.5	.8	.4	.2	.0					4.1	10.5
NE	.2	1.1	1.6	1.0	.1	.1		.0				4.0	9.2
ENE	.2	1.5	1.4	.6	.1	.0						3.8	8.1
E	.2	1.4	1.6	.6	.1							3.9	7.8
ESE	.2	.6	1.1	.4	.0							2.3	8.1
SE	.3	.7	.9	.5	.1							2.4	8.6
SSE	.2	.9	.7	.1	.1							2.0	6.7
S	.5	1.4	1.2	.7	.2	.0						4.1	8.1
SSW	.1	.9	.9	.8	.2	.1						3.0	9.9
SW	.2	1.2	1.9	1.3	.5	.1	.0					5.2	10.5
WSW	.2	1.4	2.6	2.3	.7	.1	.0					7.2	10.6
W	.2	2.3	4.5	3.6	.8	.1	.0					11.5	10.3
WNW	.2	2.5	3.8	2.7	.4							9.5	9.5
NW	.3	2.3	3.7	2.3	.4	.0						9.0	9.4
NNW	.4	1.5	2.3	1.4	.2		.0	.0				5.9	9.2
VARBL													
CALM												17.6	
	4.1	21.6	30.8	20.1	4.9	.8	.2	.1				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 7024

1
2
JULY 1968
CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0TIS AFB MA STATION NAME 68-70, 75-80 YEARS
CLASS ALL WEATHER
CONDITION
MONTH DEC
0000-0200
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.2	1.7	.5	.2	.2						3.9	9.9
NNE		.2	.6	.7	.2							1.8	11.9
NE	.2	.4	1.1	.6	.2		.2					2.8	11.4
ENE		.7	1.1	.7	.1							2.7	9.4
E		1.0	1.6	.8	.1							3.5	8.9
ESE		.8	1.0	.4								2.2	7.6
SE		.4	.7	.4								1.4	9.0
SSE	.2	1.2	1.0	.4								2.8	7.3
S	.1	.9	1.2	.8								3.0	8.4
SSW	.1	.2	.1	.4								.8	9.3
SW		.6	.8	1.1	.4							2.9	11.6
WSW	.1	.7	3.3	1.7	.1		.1					6.0	10.2
W	.5	1.8	4.9	4.2	1.2	.2	.2					13.1	11.3
WNW	.2	2.4	3.7	4.3	1.4	.6						12.8	11.4
NW	.2	3.7	7.1	3.7	1.3							16.2	9.9
NNW	.1	1.9	2.9	1.2	.2							6.4	9.0
VARBL													
CALM												17.7	
	1.9	18.2	32.8	22.0	5.7	1.1	.6					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 829

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION
006

OTIS AFB MA

STATION NAME

69-70,75-80

YEARS

DEC

MONTH

ALL WEATHER

CLASS

0300-0500

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	2.4	.8		.4						4.6	10.2
NNE	.1	.2	.7	.6	.2							1.9	10.9
NE		.5	.8	.5	.4							2.2	11.0
ENE	.2	1.1	1.5	.5	.1							3.4	8.1
E	.2	1.2	1.5	.5	.2	.4						4.0	9.8
ESE		.2	1.1	.4								1.7	9.4
SE		.2	.4	.5	.1							1.2	11.8
SSE		1.1	1.3	.5								2.9	8.2
S		.4	1.7	.4								2.4	8.9
SSW		.1		.4								.5	11.5
SW	.1	.5	.7	.7	.2							2.3	10.4
WSW		1.3	3.0	2.4	.6	.1						7.5	11.0
W	.2	2.2	4.7	4.7	.5	.2	.1					12.7	11.0
WNW	.4	2.9	5.1	4.5	1.3							14.2	10.5
NW	.6	4.4	4.2	4.2	1.1							14.5	9.6
NNW	.1	2.4	1.8	1.3	.4							6.1	8.9
VARBL													
CALM												17.8	
	2.1	19.8	31.0	22.9	5.2	1.1	.1					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

825

NEURAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00069
STATION

OTIS AFB MA

STATION NAME

68-70,73,75-80

YEARS

DEC

MONTH

0600-0800

OURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS.) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.2	1.1	.5	.1	.2						4.2	8.3
NNE		.4	1.0	.2	.3	.1						2.1	10.9
NE	.1	.1	.5	.5								1.3	9.8
ENE	.1	.4	1.7	.5	.1							2.9	9.2
E	.2	.3	.8	.3	.3	.1						2.5	9.9
ESE	.2	.1	.6	.8		.1						1.8	10.9
SE	.1	.1	.8	.8	.3	.1						2.2	12.0
SSE	.3	.8	.6	.4	.3							2.5	8.5
S		.6	1.1	.6	.2							2.6	9.7
SSW		.3	.4	.9		.1						1.7	11.4
SW	.1	.1	.8	1.4								2.4	11.3
WSW	.1	1.5	2.4	1.3	.6	.1						6.1	10.3
W	.3	2.2	4.1	4.8	.5	.4						12.3	11.0
WNW	.5	1.6	4.2	4.7	1.8	.1						13.0	11.4
NW	.4	4.3	4.5	4.1	.6							14.1	9.3
NNW	.2	1.8	3.6	1.5	.1							7.3	8.8
VARBL													
CALM												21.1	
	2.9	17.4	28.2	23.4	5.5	1.4						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

924

0
2
JUNIOR CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00068
STATION

OTIS AFB MA

STATION NAME

68-70,73,75-80

YEARS

DEC

MONTH

ALL WEATHER

CLASS

0900-1100

HOURLY (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.2	.6	.2	.4	.1						3.7	8.3
NNE	.3	1.2	1.0	1.2	.5	.1						4.3	10.1
NE		.1	.5	.9	.1							1.6	11.5
ENE		.5	.6	1.1	.3							2.7	10.5
E	.4	.4	1.4	.5	.2	.2						3.2	10.0
ESE		.5	.8	.2	.1							1.6	8.5
SE		.4	1.1	1.0	.5							3.0	11.4
SSE	.3	.3	.4	.6	.2	.1						2.0	10.6
S	.2	1.1	1.2	.6	.1							3.2	8.6
SSW		.3	.8	1.2	.2	.2						2.7	12.4
SW	.1	.4	.5	1.7	.5	.2						3.5	12.8
WSW	.3	.4	2.9	1.9	1.1							6.7	11.6
W	.2	1.6	2.2	5.1	1.8	.5	.1					11.5	12.8
WNW	.3	1.9	3.8	5.6	1.5	.3						13.4	11.7
NW	.9	1.5	5.2	5.8	1.8	.3						15.5	11.8
NNW	.4	2.2	4.7	3.4	.4							11.2	9.8
VARBL													
CALM												10.1	
	3.7	15.3	27.6	31.1	10.0	2.2	.1					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

930

1
2
FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

125168
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

DEC

MONTH

ALL WEATHER

CLASS

1200-1400

HOURE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.4	1.3	1.1	.6							5.5	9.4
NNE	.1	1.5	.8	.9	.1							3.3	8.2
NE	.1	.5	1.6	1.1	.2							3.5	10.4
ENE		1.2	1.1	1.1	.2							3.5	9.5
E		1.1	.4	.4	.2							2.2	9.2
ESE	.1	1.0	.1	.8	.2	.2						2.4	11.1
SE		.6	.2	.9	.1							1.8	10.6
SSE	.1	.4	.5	.6	.2							1.9	9.9
S		1.6	1.9	.4	.3	.1						4.4	9.0
SSW	.1	.9	1.0	.5	.5							3.0	9.9
SW	.1	.2	1.6	2.2	1.0	.1						5.2	12.8
WSW		1.2	3.1	4.6	1.0	.3	.1					10.3	12.3
W	.2	2.4	3.5	4.5	1.7	.3	.2					12.9	11.8
WNW	.1	1.2	2.4	3.0	3.9	.5	.1					11.2	14.2
NW	.1	2.7	3.8	5.4	2.3	.6						14.2	12.5
NNW	.4	1.9	3.7	2.4	.6	.4						9.5	10.4
VARBL													
CALM												5.2	
	1.6	20.1	27.0	29.8	13.2	2.7	.4					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

125168
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

DEC

MONTH

ALL WEATHER

CLASS

1500-1700

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.8	2.7	.9	1.6	.5							5.8	8.8
NNE	.3	.7	1.4	.5								3.1	8.0
NE	.2	.6	.9	1.0								2.7	9.6
ENE		1.0	1.3	.4	.2							2.9	9.3
E	.3	.4	.5	.6								1.9	8.2
ESE	.1	.5	.3	.2	.1							1.3	8.9
SE	.3	.2	.4	.8	.2							1.9	10.2
SSE		.6	.9	.3	.1							1.9	9.3
S		2.2	2.4	.5	.1							5.2	8.0
SSW	.1	1.1	1.1	.4	.4	.2						3.3	9.9
SW	.3	1.5	1.9	2.2	.6	.1						6.7	10.2
WSW	.2	1.3	2.9	4.2	.4	.1						9.1	11.0
W	.4	2.2	3.2	4.2	2.0	.4						12.5	11.8
WNW	.3	1.2	3.2	3.1	2.2	.6	.1					10.8	13.0
NW	.1	2.3	4.6	4.1	1.3	.2						12.6	11.2
NNW	.2	2.4	3.2	1.3	.3							7.4	8.6
VARBL													
CALM												10.8	
	3.8	20.3	29.2	25.5	8.6	1.7	.1					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1069
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

DEC

MONTH

1800-2400

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.4	1.0	.9	.1							4.1	7.2
NNE		.9	.5	.4								1.8	7.6
NE		.4	.8	1.2	.1							2.5	11.1
ENE	.1	.3	.9	1.1								2.4	10.4
E	.3	.6	1.0	1.0								2.9	8.8
ESE	.3	.2	.6									1.2	6.6
SE	.3	.9	.4	.4								2.1	7.0
SSE	.1	.6	.6	.4								1.8	8.1
S	.4	1.7	1.2	.4								3.8	7.0
SSW		1.2	.6	.8	.1	.2						2.9	9.7
SW	.5	1.3	1.9	1.3	.4	.1						5.6	9.3
WSW	.2	1.0	1.6	2.1	.9		.1					5.8	11.6
W	.2	2.1	2.7	3.4	2.3	.4						11.0	12.3
WNW	.5	2.6	2.4	3.2	1.8	.8	.1					11.5	12.0
NW	.4	3.2	5.0	3.0	1.3	.2						13.2	10.2
NNW	.2	1.8	1.9	1.2	.5	.2						6.0	9.9
VARBL													
CALM												21.3	
	4.5	20.3	23.3	20.8	7.6	1.9	.2					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

924

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1068 STATION NAME JTIS AFB MA YEARS 68-70, 73, 75-80 MONTH DEC
CLASS ALL WEATHER HOURS 2100-2300
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.9	1.1	1.1								3.5	8.0
NNE	.2	.3	.7	.8								2.0	9.6
NE	.2	1.0	.9	.8	.4							3.3	9.9
ENE	.7	.7	.8	.7	.2							2.9	8.6
E	.2	.5	.9	.8	.1							2.5	9.2
ESE	.2	.8	.7	.3	.1							2.1	8.2
SE	.2	.5	1.2	.1	.1							2.2	7.7
SSE	.3	1.4	.2	.2	.1							2.3	6.4
S	.4	1.3	1.3	.8								3.8	7.9
SSW	.2	.4	.2	.7		.1						1.6	9.7
SW	.2	.4	1.2	1.1	.4	.1	.1					3.6	11.5
WSW	.1	.5	1.8	2.1	.7							5.2	12.0
W	.3	2.0	2.7	4.7	1.0	.4						11.1	11.6
WNW	.2	2.5	2.9	3.3	.9	.8		.1				10.7	11.9
NW	.8	3.5	4.8	5.2	2.2	.2	.1					16.7	11.0
NNW	.7	1.3	2.3	1.4	.5	.1						6.3	9.4
VARBL													
CALM												20.3	
	5.4	18.0	23.6	23.8	6.7	1.7	.2	.1				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

01068
STATION

OTIS AFB MA

STATION NAME

68-70,73,75-80

YEARS

DEC

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.7	1.2	.8	.3	.1						4.4	8.8
NNE	.1	.7	.8	.7	.2	.0						2.6	9.5
NE	.1	.5	.9	.8	.2		.0					2.5	10.5
ENE	.1	.7	1.1	.8	.2							2.9	9.3
E	.2	.7	1.0	.6	.2	.1						2.8	9.3
ESE	.1	.5	.6	.4	.1	.0						1.8	9.1
SE	.1	.4	.7	.6	.2	.0						2.0	10.0
SSE	.2	.9	.7	.4	.1	.0						2.3	8.5
S	.2	1.2	1.5	.6	.1	.0						3.6	8.4
SSW	.1	.5	.5	.7	.2	.1						2.1	10.4
SW	.2	.6	1.2	1.5	.5	.1	.0					4.1	11.1
WSW	.1	1.0	2.6	2.6	.7	.1	.0					7.1	11.3
W	.3	2.0	3.5	4.4	1.4	.4	.1					12.1	11.7
WNW	.3	2.0	3.4	4.0	1.9	.5	.0	.0				12.1	12.0
NW	.4	3.1	4.9	4.5	1.5	.2	.0					14.6	10.7
NNW	.3	2.0	3.0	1.7	.4	.1						7.5	9.4
VARBL													
CALM												15.5	
	3.3	18.7	27.7	25.0	7.9	1.7	.2	.0				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

7211

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12806R
STATION

OTIS AFB MA

STATION NAME

68-70,73,75-81

YEARS

ALL
MONTH

ALL WEATHER

CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.7	1.8	1.2	.3	.1	.0	.0				5.4	9.1
NNE	.2	1.1	1.5	1.3	.4	.2	.0	.0				4.8	10.6
NE	.2	1.2	1.5	1.1	.3	.1	.0	.0				4.3	9.6
ENE	.2	.9	1.1	.6	.1	.0	.0	.0				3.0	8.8
E	.2	.7	.8	.4	.1	.0	.0	.0				2.4	7.7
ESE	.2	.7	.6	.4	.1	.0						1.9	8.5
SE	.2	.7	.8	.3	.1	.0						2.2	8.1
SSE	.2	1.0	.8	.3	.1	.0	.0					2.5	7.7
S	.4	1.8	1.9	.8	.2	.0	.0					5.1	8.2
SSW	.2	1.3	1.8	1.2	.2	.1	.0					4.9	9.3
SW	.4	1.3	2.7	2.3	.6	.1	.0					7.8	10.1
WSW	.3	2.2	3.9	3.5	.9	.1	.0	.0				10.9	10.4
W	.4	2.5	3.5	2.9	.8	.1	.0	.0				10.3	10.0
WNW	.2	1.7	2.5	1.9	.6	.1	.0	.0				7.0	10.2
NW	.3	1.8	2.5	1.7	.4	.1	.0					6.9	9.5
NNW	.3	1.6	1.7	.9	.2	.0	.0	.0				4.8	8.5
VARBL													
CALM												15.8	
	4.5	22.8	29.5	20.8	5.4	1.0	.2	.0				100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

87101

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

175068
STATION

OTIS AFB MA

STATION NAME

68-70,73,75-81

YEARS

ALL
MONTH

INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

ALL
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.5	2.6	2.4	.9	.2	.1	.0				8.1	11.3
NNE	.2	1.1	2.5	2.7	1.1	.5	.1	.0				8.2	12.5
NE	.2	1.4	2.2	2.2	.8	.2	.0	.0				7.1	11.2
ENE	.2	1.1	1.8	1.4	.4	.1	.0					5.1	10.4
E	.3	1.1	1.6	1.0	.3	.1	.0	.0				4.4	9.5
ESE	.2	.7	1.2	.9	.3	.1						3.3	10.4
SE	.1	.8	1.4	.9	.3	.1						3.6	10.0
SSE	.2	.9	1.3	.7	.2	.1	.0					3.5	9.4
S	.3	2.0	3.0	1.8	.5	.1	.0					7.7	9.6
SSW	.2	1.3	2.4	1.7	.4	.1	.0					6.0	10.2
SW	.4	1.7	3.3	3.0	.6	.2	.0					9.2	10.3
WSW	.3	2.1	4.1	3.6	.9	.1	.0	.0				11.3	10.6
W	.3	1.8	2.3	1.4	.3	.0	.0					6.0	9.1
WNW	.1	.4	.6	.3	.1	.0						1.5	8.6
NW	.1	.6	.9	.4	.1	.0						2.1	8.9
NNW	.2	.9	1.3	.8	.2	.1	.0	.0				3.4	9.6
VARBL													
CALM												9.4	
	3.7	19.4	32.3	25.2	7.6	2.0	.4	.1				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 16282

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{5}{16}$	≥ 0
NO CEILING															
1800															
1500					91.0										92.6
1200															
1000															
900															
800															
700															
600															
500										97.4					98.1
400															
300															
200															
100															
0					95.4		96.9			98.3					100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
 For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
 Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
 Visibility ≥ 3 miles = 95.4%.
 Visibility ≥ 2 miles = 96.9%.
 Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

2
CENTRAL CLIMATOLOGY BRANCH
HAFETAC
AF WEATHER SERVICE/HAF

CEILING VERSUS VISIBILITY

64

OTIS AFB MA

65-70, 73, 76-F1

JA

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-1200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2 1/2	≥2	≥1 1/2	≥1 1/4	≥1	≥3/4	≥1/2	≥1/4	≥1/8	≥1/16	≥0
NO CEILING ≥ 20000	53.3	54.4	54.4	55.2	55.3	55.3	55.3	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 18000	53.3	55.1	55.1	55.8	56.0	56.0	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 16000	33.2	55.2	55.2	56.0	56.1	56.1	56.1	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 14000	33.9	56.4	56.4	57.2	57.3	57.3	57.3	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 12000	34.4	57.2	57.2	57.9	58.0	58.0	58.0	58.0	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 10000	36.1	60.0	60.0	60.8	61.1	61.1	61.1	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	36.1	60.3	60.3	61.1	61.4	61.4	61.4	61.4	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 8000	36.7	61.5	61.6	62.4	62.7	62.7	62.7	62.7	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 7000	37.0	62.6	62.7	63.5	63.8	63.8	63.8	63.8	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 6000	38.2	64.3	64.4	65.1	65.5	65.5	65.5	65.5	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 5000	40.0	67.1	67.4	68.3	68.6	68.6	68.6	68.6	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 4500	40.4	68.2	68.5	69.5	69.8	69.8	69.8	69.8	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 4000	42.2	70.3	70.7	71.7	72.0	72.1	72.1	72.1	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3500	43.2	72.1	72.6	73.6	73.9	74.1	74.1	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 3000	44.0	73.9	74.3	75.3	75.7	76.0	76.0	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 2500	44.3	76.0	76.5	77.5	77.9	78.1	78.1	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	45.4	77.5	78.5	79.5	80.1	80.3	80.3	80.7	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 1800	45.4	77.5	78.5	79.5	80.1	80.3	80.4	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1500	45.9	78.9	79.9	80.9	81.5	81.9	82.1	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1200	46.1	79.5	80.5	81.7	83.0	83.4	83.6	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1000	46.4	80.1	81.2	82.4	83.6	84.0	84.3	84.8	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 900	46.4	80.1	81.4	82.6	83.8	84.3	84.5	85.0	85.1	85.2	85.4	85.4	85.4	85.4	85.4	85.4
≥ 800	46.4	80.1	81.5	82.8	84.5	85.1	85.6	86.1	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.4
≥ 700	46.6	80.4	82.0	83.6	85.4	86.0	87.1	87.7	87.8	87.9	88.0	88.0	88.0	88.0	88.0	88.0
≥ 600	46.6	80.4	82.0	83.6	85.9	86.8	88.1	88.7	88.9	89.0	89.2	89.2	89.3	89.3	89.3	89.3
≥ 500	46.6	80.5	82.2	84.0	86.8	87.7	89.4	90.2	90.3	90.6	90.9	90.9	91.1	91.1	91.1	91.1
≥ 400	46.6	80.5	82.2	84.0	87.0	87.9	90.5	91.5	91.6	92.1	92.6	92.6	92.9	92.9	92.9	92.9
≥ 300	46.6	80.5	82.3	84.2	87.4	88.6	91.8	93.0	93.1	94.3	95.0	95.0	95.7	95.7	95.7	95.7
≥ 200	46.6	80.5	82.3	84.3	87.7	89.0	92.1	94.0	94.4	96.1	97.0	97.0	98.3	98.4	98.4	98.7
≥ 100	46.6	80.5	82.3	84.3	87.7	89.0	92.1	94.0	94.4	96.2	97.4	97.5	98.7	98.8	99.7	99.5
≥ 0	46.6	80.5	82.3	84.3	87.7	89.0	92.1	94.0	94.4	96.2	97.5	97.6	98.8	98.9	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS

915

GENERAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

69 LTIS AFB MA

68-73,73,76-R1

JA

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	51.3	53.8	53.9	54.3	54.4	54.4	54.8	54.8	54.4	54.8	54.8	54.3	54.9	54.9	54.9	54.8
≥ 2000	31.1	54.8	54.9	55.3	55.4	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 1800	31.1	54.9	55.1	55.4	55.5	55.5	55.8	55.8	55.8	55.8	55.8	55.3	55.8	55.8	55.8	55.8
≥ 1600	31.1	54.9	55.0	55.4	55.5	55.5	55.8	55.8	55.8	55.8	55.8	55.3	55.8	55.8	55.8	55.8
≥ 1400	32.7	55.7	55.9	56.3	56.4	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 1200	33.1	57.2	57.3	57.7	57.8	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 1000	35.7	61.7	61.4	62.3	62.1	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 900	35.7	61.0	61.4	62.0	62.1	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 800	36.3	62.2	62.6	63.2	63.3	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 700	36.4	63.5	63.9	64.5	64.6	64.6	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 600	36.3	64.5	64.9	65.5	65.6	65.6	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 500	37.0	67.5	68.7	68.7	69.0	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 450	39.7	68.4	68.9	69.6	69.8	69.8	70.2	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 400	41.1	70.1	70.5	71.3	71.6	71.6	71.9	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 350	41.4	71.5	72.2	73.0	73.3	73.3	73.7	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 300	42.2	73.2	74.0	75.0	75.6	75.6	76.0	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 250	43.2	75.2	76.2	77.2	77.8	77.8	78.1	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 200	43.6	76.7	77.7	79.0	79.8	79.8	80.3	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1800	43.6	76.9	78.7	79.3	80.1	80.1	80.7	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1600	44.2	78.0	79.1	80.5	81.6	81.6	82.2	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1400	44.3	78.5	79.8	81.3	82.8	82.8	83.5	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1200	44.7	79.0	80.5	82.1	83.8	83.8	84.8	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1000	44.9	79.3	80.9	82.5	84.5	84.5	85.7	86.3	86.3	86.6	86.7	86.7	86.7	86.7	86.7	86.7
≥ 900	44.9	79.3	81.0	82.6	84.7	84.7	86.1	86.8	86.8	87.1	87.2	87.2	87.2	87.2	87.2	87.2
≥ 800	44.9	79.5	81.1	82.7	84.9	85.1	86.8	87.4	87.4	87.9	88.0	88.0	88.0	88.0	88.0	88.0
≥ 700	45.7	79.6	81.4	83.2	85.8	86.1	88.1	88.9	89.0	89.5	89.8	89.8	89.8	89.8	89.8	89.8
≥ 600	45.7	79.6	81.5	83.4	86.8	87.2	89.6	90.5	90.6	91.1	91.5	91.5	91.5	91.5	91.5	91.5
≥ 500	45.0	79.6	81.6	83.7	87.3	87.9	90.6	91.6	91.9	92.6	92.9	92.9	93.0	93.0	93.0	93.0
≥ 400	45.0	79.6	81.7	83.8	87.7	88.4	91.6	92.9	93.3	94.4	95.0	95.0	95.3	95.3	95.3	95.3
≥ 300	45.0	79.6	81.7	83.8	87.7	88.4	92.0	93.7	94.1	95.7	96.9	97.2	97.8	98.1	98.3	98.3
≥ 200	45.0	79.6	81.7	83.8	87.7	88.4	92.0	93.7	94.1	95.7	97.2	97.6	98.7	99.0	99.3	99.6
≥ 100	45.0	79.6	81.7	83.8	87.7	88.4	92.0	93.7	94.1	95.7	97.2	97.6	98.7	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 915

ANAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE / MAC

CEILING VERSUS VISIBILITY

STATION 64 DTIS AFB MA
STATION NAME

68-70, 73, 76-81

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥ 27000	33.6	49.6	49.7	49.8	49.9	49.9	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.9	50.9
≥ 18000	34.6	50.8	50.9	51.0	51.1	51.1	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	52.2	52.2
≥ 15000	34.6	50.8	50.9	51.0	51.1	51.1	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	52.2	52.2
≥ 14000	36.2	52.5	52.6	52.7	52.8	52.8	53.3	53.5	53.6	53.6	53.6	53.6	53.6	53.7	53.9	53.9
≥ 12000	36.2	53.9	54.0	54.1	54.2	54.2	54.8	54.9	55.0	55.0	55.0	55.0	55.0	55.1	55.3	55.3
≥ 10000	40.1	57.9	58.2	58.3	58.4	58.4	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.3	59.6	59.6
≥ 9000	40.1	57.9	58.2	58.3	58.4	58.4	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.3	59.6	59.6
≥ 8000	42.2	60.9	61.4	61.6	61.8	61.8	62.3	62.4	62.5	62.5	62.5	62.5	62.5	62.6	63.0	63.0
≥ 7000	43.0	62.6	63.3	63.5	63.7	63.7	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.6	64.9	64.9
≥ 6000	43.6	64.4	65.0	65.3	65.6	65.6	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.4	66.7	66.7
≥ 5000	45.4	67.4	68.4	68.8	69.0	69.1	69.7	69.8	69.9	69.9	69.9	69.9	69.9	70.0	70.3	70.3
≥ 4500	45.5	67.7	68.7	69.1	69.3	69.4	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.3	70.6	70.6
≥ 4000	46.1	68.8	69.9	70.3	70.6	70.7	71.3	71.4	71.5	71.5	71.5	71.5	71.5	71.6	71.9	71.9
≥ 3500	46.3	69.7	70.7	71.3	71.6	71.7	72.2	72.4	72.5	72.5	72.5	72.5	72.5	72.6	72.9	72.9
≥ 3000	47.9	71.3	72.5	73.1	73.7	73.8	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.7	75.1	75.1
≥ 2500	49.0	73.0	74.3	74.9	75.5	75.6	76.2	76.3	76.5	76.5	76.5	76.5	76.5	76.6	76.9	76.9
≥ 2000	50.2	76.2	77.9	78.6	79.6	79.7	80.3	80.5	80.6	80.8	80.8	80.8	80.8	80.9	81.2	81.2
≥ 1800	50.2	75.5	78.1	78.8	79.8	79.9	80.7	80.8	80.9	81.1	81.1	81.1	81.1	81.2	81.5	81.5
≥ 1500	51.2	78.7	80.3	81.3	82.3	82.4	83.2	83.3	83.4	83.6	83.6	83.6	83.6	83.7	84.0	84.0
≥ 1200	51.6	79.9	81.6	82.7	83.7	83.8	84.6	84.7	84.8	85.0	85.0	85.0	85.0	85.1	85.4	85.4
≥ 1000	51.6	80.0	81.7	82.9	84.1	84.2	85.0	85.1	85.2	85.4	85.4	85.4	85.4	85.5	86.0	86.0
≥ 900	51.7	80.2	82.0	83.2	84.4	84.7	85.4	85.5	85.6	85.9	85.9	85.9	85.9	86.0	86.4	86.4
≥ 800	51.7	80.5	82.2	83.4	85.0	85.2	86.0	86.1	86.2	86.4	86.5	86.5	86.5	86.6	87.0	87.0
≥ 700	51.7	80.6	82.3	83.5	85.3	85.6	86.7	86.8	86.9	87.3	87.4	87.4	87.4	87.5	87.9	87.9
≥ 600	51.7	80.7	82.4	83.6	85.9	86.2	87.4	87.6	87.7	88.0	88.2	88.2	88.3	88.3	88.8	88.9
≥ 500	51.7	80.9	82.6	83.8	86.3	86.6	88.3	88.7	88.8	89.3	89.6	89.6	89.7	89.7	90.2	90.3
≥ 400	51.7	80.9	82.7	83.9	86.8	87.1	89.6	90.1	90.2	91.1	91.6	91.7	91.8	91.8	92.2	92.3
≥ 300	51.7	80.9	82.7	83.9	87.4	87.8	90.5	91.3	91.4	92.5	93.1	93.2	93.3	93.3	93.7	93.8
≥ 200	51.7	80.9	82.7	83.9	87.4	87.8	90.6	91.7	92.0	93.6	94.8	95.0	95.0	95.0	96.5	96.8
≥ 100	51.7	80.9	82.7	83.9	87.4	87.8	90.6	91.7	92.0	93.7	95.1	95.4	95.4	96.5	98.3	98.9
≥ 0	51.7	80.9	82.7	83.9	87.4	87.8	90.6	91.7	92.0	93.7	95.2	95.5	96.7	96.9	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 926

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 68 OTIS AFB MA

68-70,73,76-81

JA

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1900-1100
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 0	≥ 0	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/4	≥ 2 1/2	≥ 2 1/4	≥ 2	≥ 0
NO CEILING	44.1	49.3	51.1	50.3	50.0	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.0	51.0
≥ 20000	40.4	50.6	51.3	51.6	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.4	52.4
≥ 18000	40.5	50.7	51.5	51.7	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.4	52.4	52.5	52.5
≥ 16000	45.7	50.9	51.7	51.9	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.6	52.6	52.6	52.7	52.7
≥ 14000	47.1	52.5	53.3	53.5	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.3	54.3	54.3	54.4	54.4
≥ 12000	45.8	54.5	55.2	55.4	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.3	56.3
≥ 10000	51.2	57.8	58.6	58.9	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.7	59.7
≥ 9000	51.2	58.1	58.9	59.2	59.7	59.8	59.8	59.8	59.8	59.8	59.8	60.0	60.0	60.0	60.1	60.1
≥ 8000	52.6	60.6	61.7	62.0	62.6	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.1	63.1
≥ 7000	53.6	61.9	63.0	63.3	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.5	64.5
≥ 6000	54.1	63.2	64.3	64.6	65.3	65.6	65.6	65.6	65.6	65.7	65.7	65.8	65.8	65.8	65.9	65.9
≥ 5000	55.6	66.1	67.2	67.5	68.4	68.8	68.8	68.8	68.8	68.9	68.9	69.0	69.0	69.0	69.1	69.1
≥ 4500	56.7	66.6	67.8	68.1	69.0	69.4	69.4	69.4	69.4	69.5	69.5	69.6	69.6	69.6	69.8	69.8
≥ 4000	58.8	68.7	70.0	70.5	71.5	72.0	72.1	72.1	72.1	72.2	72.2	72.3	72.3	72.3	72.4	72.4
≥ 3500	59.3	69.4	70.7	71.3	72.2	72.8	72.9	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.2	73.2
≥ 3000	60.2	70.9	72.4	73.0	74.0	74.6	74.7	74.7	74.8	74.8	74.9	74.9	74.9	74.9	75.0	75.0
≥ 2500	61.6	72.7	74.2	74.7	76.0	76.6	76.7	76.7	76.9	76.9	77.0	77.0	77.0	77.0	77.1	77.1
≥ 2000	62.7	74.4	76.2	76.9	78.6	79.2	79.3	79.4	79.8	79.8	79.9	79.9	79.9	79.9	80.0	80.0
≥ 1800	63.1	74.9	76.9	77.5	79.2	79.9	80.0	80.1	80.4	80.4	80.5	80.5	80.5	80.5	80.6	80.6
≥ 1500	63.5	75.7	77.9	78.7	80.4	81.1	81.5	81.7	82.1	82.1	82.2	82.2	82.2	82.2	82.3	82.3
≥ 1200	64.0	76.9	79.2	80.0	81.8	82.5	83.0	83.3	83.7	83.7	83.9	83.9	83.9	83.9	84.0	84.0
≥ 1000	64.3	77.5	80.2	81.3	83.1	83.9	84.6	85.0	85.5	85.6	85.7	85.7	85.7	85.7	85.8	85.8
≥ 900	64.3	77.6	80.3	81.4	83.2	84.0	84.9	85.4	85.8	85.9	86.0	86.0	86.0	86.0	86.1	86.1
≥ 800	64.3	77.7	80.4	81.5	83.5	84.3	85.3	85.7	86.2	86.4	86.8	86.8	86.8	86.8	86.9	86.9
≥ 700	64.3	77.7	80.4	81.7	84.1	84.8	85.9	86.3	86.9	87.1	87.4	87.4	87.4	87.4	87.5	87.5
≥ 600	64.3	77.7	80.4	81.9	84.4	85.1	86.5	87.2	87.8	88.2	88.5	88.5	88.5	88.5	88.6	88.6
≥ 500	64.3	77.8	80.5	82.1	84.6	85.6	87.5	88.5	89.2	89.9	90.2	90.2	90.2	90.2	90.3	90.3
≥ 400	64.3	77.9	80.6	82.2	84.9	86.0	88.2	89.6	90.3	91.2	91.6	91.6	91.7	91.7	91.8	91.8
≥ 300	64.4	78.1	80.8	82.5	85.1	86.4	89.0	90.7	91.7	92.8	93.9	94.0	94.3	94.3	94.4	94.4
≥ 200	64.4	78.1	80.8	82.5	85.1	86.4	89.0	91.0	91.9	93.4	94.7	94.8	95.5	95.6	96.3	96.4
≥ 100	64.4	78.1	80.8	82.5	85.1	86.4	89.0	91.0	91.9	93.9	95.2	95.3	96.7	97.1	98.9	99.4
≥ 0	64.4	78.1	80.8	82.5	85.1	86.4	89.0	91.0	91.9	94.0	95.3	95.4	96.8	97.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS

929

2
 FEDERAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74-168

OTIS AFB MA

60-70, 73, 76-81

JA

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼
NO CEILING	44.4	49.9	50.5	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000	46.4	52.1	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 18000	46.5	52.2	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 16000	46.5	52.2	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 14000	49.4	55.2	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 12000	50.7	57.1	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 10000	53.4	60.3	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 9000	53.5	60.4	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 8000	55.7	63.2	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 7000	56.1	63.9	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 6000	56.6	64.8	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 5000	58.6	66.9	67.8	68.2	68.5	68.8	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 4500	58.8	67.1	68.1	68.5	68.9	69.1	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 4000	59.5	68.4	69.5	69.9	70.3	70.5	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 3500	60.5	69.6	70.7	71.2	71.6	71.8	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 3000	62.1	71.5	72.5	73.1	73.4	73.6	73.8	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2500	64.5	74.5	75.6	76.1	76.4	76.9	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2000	66.6	77.1	78.8	79.5	80.1	80.5	80.8	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 1800	66.7	77.4	79.1	79.8	80.4	80.9	81.1	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 1500	67.2	78.2	80.2	80.9	81.8	82.3	82.6	83.0	83.2	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1200	67.8	78.9	81.1	82.1	83.0	83.7	84.1	84.5	84.9	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1000	67.9	79.6	81.7	82.7	83.8	84.4	85.1	85.6	85.9	86.2	86.3	86.3	86.3	86.3	86.3
≥ 900	67.9	79.8	81.9	83.0	84.1	84.9	85.8	86.4	86.7	86.9	87.0	87.0	87.0	87.0	87.0
≥ 800	68.0	80.2	82.6	83.7	85.0	85.8	87.0	87.9	88.2	88.4	88.5	88.5	88.5	88.5	88.5
≥ 700	68.0	80.3	82.9	84.0	85.4	86.3	87.6	88.5	89.0	89.4	89.5	89.5	89.5	89.5	89.5
≥ 600	68.0	80.3	83.1	84.2	85.6	86.6	88.0	89.1	89.5	90.3	90.4	90.4	90.4	90.4	90.4
≥ 500	68.0	80.8	83.7	84.8	86.4	87.5	89.2	90.8	91.2	92.3	92.4	92.4	92.4	92.4	92.4
≥ 400	68.0	80.8	83.7	84.8	86.6	88.0	89.9	92.4	93.0	94.3	94.4	94.4	94.4	94.4	94.4
≥ 300	68.0	80.8	83.7	84.8	86.7	88.1	90.7	93.4	94.3	96.1	96.5	96.5	97.0	97.0	97.0
≥ 200	68.0	80.8	83.7	84.9	86.9	88.4	91.0	93.8	94.7	97.1	97.8	97.8	98.4	98.4	98.4
≥ 100	68.0	80.8	83.7	84.9	86.9	88.4	91.1	93.9	94.8	97.3	98.1	98.1	99.1	99.2	99.5
≥ 0	68.0	80.8	83.7	84.9	86.9	88.4	91.1	93.9	94.8	97.3	98.1	98.1	99.1	99.2	99.5

TOTAL NUMBER OF OBSERVATIONS 925

67
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-68

WTIS AFB MA

68-70, 73, 76-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	41.2	48.0	48.2	48.5	48.8	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 2000	43.4	50.1	50.3	50.6	51.0	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 1800	43.4	50.1	50.3	50.6	51.0	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 1600	43.4	50.1	50.3	50.6	51.0	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 1400	45.7	52.4	52.6	52.9	53.2	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 1200	47.6	54.5	54.8	55.3	55.6	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 1000	50.2	58.4	58.7	59.1	59.5	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 800	50.4	58.8	59.2	59.7	60.0	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 600	52.5	61.9	62.5	62.9	63.2	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 400	52.6	62.6	63.2	63.7	64.1	64.2	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 200	54.3	64.7	65.4	65.8	66.2	66.5	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 100	50.2	67.2	68.1	68.4	68.8	69.0	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 50	56.5	67.5	68.5	68.9	69.4	69.6	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 0	57.0	68.5	69.6	70.0	70.5	70.9	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 3500	57.7	69.6	70.6	71.2	71.7	72.0	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3000	59.7	72.2	73.2	73.8	74.3	74.6	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 2500	61.7	73.5	74.6	75.3	75.8	76.1	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 2000	63.5	77.2	78.5	79.2	79.8	80.1	80.6	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 1800	63.7	77.3	78.6	79.4	79.9	80.2	80.8	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 1500	64.0	78.3	79.8	80.5	81.1	81.5	82.2	82.6	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1200	64.5	79.2	80.9	81.9	82.6	83.0	83.7	84.2	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1000	64.6	79.7	81.4	82.6	83.3	83.8	84.4	85.1	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 900	64.6	79.7	81.7	82.9	84.1	84.5	85.3	86.0	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 800	64.6	80.0	82.3	83.5	84.8	85.3	86.1	86.9	87.4	87.8	88.0	88.0	88.0	88.0	88.0	88.0
≥ 700	64.6	80.1	82.5	83.9	85.4	85.8	86.7	87.5	88.2	89.0	89.1	89.1	89.1	89.1	89.1	89.1
≥ 600	64.6	80.1	82.6	84.0	85.5	85.9	87.0	88.0	88.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8
≥ 500	64.6	80.3	82.9	84.3	86.0	86.7	88.2	89.4	90.4	91.5	91.7	91.7	91.7	91.7	91.7	91.7
≥ 400	64.6	80.4	83.0	84.5	86.5	87.2	89.4	91.3	92.4	93.7	94.1	94.1	94.2	94.2	94.2	94.2
≥ 300	64.6	80.4	83.0	84.5	86.7	87.6	90.1	92.7	94.0	96.1	96.7	96.9	97.0	97.0	97.0	97.0
≥ 200	64.6	80.5	83.1	84.6	86.8	87.7	90.2	93.4	94.7	97.2	97.7	98.0	98.1	98.2	98.2	98.2
≥ 100	64.6	80.5	83.1	84.6	86.8	87.7	90.2	93.4	94.7	97.2	98.0	98.3	98.5	98.7	99.4	99.4
≥ 0	64.6	80.5	83.1	84.6	86.8	87.7	90.2	93.4	94.7	97.2	98.0	98.3	98.6	98.8	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

175768

OTIS AFB MA

68-70,73,76-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-2000

HOURS (L.V.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/10	≥0	≥0
NO CEILING	32.5	52.2	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 20000	32.2	53.7	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 18000	33.2	53.7	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 16000	33.2	53.7	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 14000	34.2	55.1	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 12000	34.3	56.0	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 10000	36.2	58.4	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 9000	36.3	58.9	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 8000	37.1	61.4	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 7000	37.5	62.3	62.8	63.0	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 6000	39.4	64.2	64.7	64.9	65.1	65.1	65.2	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3
≥ 5000	39.0	66.3	66.8	67.1	67.3	67.3	67.5	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6
≥ 4500	39.5	67.4	68.2	68.5	68.9	68.9	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2
≥ 4000	41.2	70.3	71.3	71.6	72.0	72.1	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4
≥ 3500	42.3	72.0	73.0	73.3	73.7	73.8	74.1	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3
≥ 3000	44.3	74.5	75.7	76.1	76.6	76.7	77.0	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2500	44.3	76.1	77.4	77.9	78.5	78.6	78.9	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2
≥ 2000	46.4	79.0	80.5	81.2	81.9	82.1	82.7	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1800	46.5	79.1	80.6	81.3	82.1	82.3	82.9	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1500	46.7	79.9	81.5	82.2	83.3	83.5	84.4	84.6	84.6	84.8	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1200	46.7	80.4	82.2	83.1	84.3	84.5	85.7	85.9	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1000	47.1	80.9	82.9	84.0	85.1	85.4	86.5	86.8	86.9	87.1	87.2	87.2	87.2	87.2	87.2	87.2
≥ 900	47.3	81.4	83.6	84.8	86.1	86.3	87.5	87.8	87.9	88.2	88.3	88.3	88.3	88.3	88.3	88.3
≥ 800	47.4	81.5	84.0	85.4	86.8	87.0	88.5	88.9	89.0	89.7	89.8	89.8	89.8	89.8	89.8	89.8
≥ 700	47.4	81.7	84.2	85.7	87.2	87.4	89.0	89.5	89.6	90.3	90.4	90.4	90.4	90.4	90.4	90.4
≥ 600	47.4	81.8	84.3	85.9	87.7	87.9	89.7	90.2	90.3	91.1	91.3	91.3	91.3	91.3	91.3	91.3
≥ 500	47.4	82.0	84.5	86.1	88.5	88.7	90.6	91.3	91.4	92.4	92.7	92.7	92.8	92.8	92.8	92.8
≥ 400	47.4	82.1	84.6	86.3	89.1	89.3	91.6	92.4	92.5	93.5	93.9	93.9	94.0	94.0	94.0	94.0
≥ 300	47.5	82.2	84.8	86.8	89.9	90.4	93.0	94.1	94.4	96.0	96.4	96.4	96.6	96.6	96.6	96.6
≥ 200	47.5	82.2	84.8	86.8	90.1	90.6	93.2	94.4	95.0	97.0	97.5	97.6	97.8	98.1	98.1	98.1
≥ 100	47.5	82.2	84.8	86.8	90.1	90.6	93.2	94.4	95.0	97.0	97.6	98.1	98.5	98.8	99.2	99.2
≥ 0	47.5	82.2	84.8	86.8	90.1	90.6	93.2	94.4	95.0	97.0	98.0	98.4	98.8	99.1	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

929

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFS WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

OTIS AFB MA

68-70, 73, 76-81

YEAR

STATION NAME

OTIS AFB MA

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	32.1	52.6	53.1	53.4	53.5	53.5	53.5	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 20000	32.5	54.5	54.9	55.2	55.4	55.4	55.4	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 18000	32.5	54.6	55.0	55.4	55.5	55.5	55.5	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 16000	32.5	54.6	55.0	55.4	55.5	55.5	55.5	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 14000	34.3	56.4	56.9	57.2	57.3	57.3	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 12000	34.3	57.1	57.5	57.8	57.9	57.9	57.9	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 10000	35.3	59.8	60.2	60.5	60.6	60.6	60.6	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 9000	35.5	61.0	60.4	60.8	60.9	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 8000	37.2	61.5	61.9	62.3	62.4	62.4	62.4	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 7000	37.3	62.5	62.9	63.2	63.4	63.5	63.5	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 6000	37.5	64.5	65.0	65.3	65.4	65.5	65.5	65.6	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8
≥ 5000	39.9	67.6	68.5	68.9	69.0	69.1	69.2	69.3	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5
≥ 4500	40.3	68.6	69.7	70.1	70.2	70.3	70.4	70.5	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4000	41.3	70.5	71.7	72.0	72.5	72.6	73.0	73.1	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3
≥ 3500	41.9	71.7	72.9	73.2	73.7	73.8	74.4	74.5	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3000	43.6	74.8	76.1	76.5	77.3	77.4	77.9	78.1	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3
≥ 2500	44.3	76.3	77.7	78.2	79.0	79.1	79.7	79.8	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2000	44.9	78.4	80.0	80.5	81.5	81.6	82.2	82.4	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	45.0	78.5	80.2	81.0	81.9	82.1	82.6	82.8	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1500	45.3	79.3	80.8	81.7	82.8	82.9	83.6	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1200	45.4	79.7	81.5	82.9	84.1	84.2	85.2	85.5	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1000	45.5	79.8	81.8	83.2	84.4	84.5	85.5	85.8	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2
≥ 900	45.6	80.4	82.5	84.1	85.3	85.4	86.5	86.8	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1
≥ 800	45.6	80.6	82.9	84.6	85.9	86.2	87.4	87.7	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0
≥ 700	45.7	80.9	83.0	85.0	86.5	86.7	88.0	88.3	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6
≥ 600	45.7	81.0	83.1	85.2	86.7	86.9	88.4	88.9	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3
≥ 500	45.8	81.4	83.7	85.8	87.6	88.1	89.8	90.5	90.9	91.1	91.4	91.4	91.4	91.4	91.7	91.7
≥ 400	45.8	81.4	83.8	85.9	88.3	88.8	91.4	92.4	93.0	93.2	93.4	93.4	93.4	93.4	93.8	93.8
≥ 300	45.8	81.4	83.8	85.9	88.8	89.5	92.3	93.9	94.6	95.1	95.6	95.6	95.8	95.8	96.2	96.2
≥ 200	45.8	81.4	83.8	85.9	88.8	89.6	92.5	94.3	95.0	96.4	97.1	97.1	97.3	97.3	97.8	97.8
≥ 100	45.8	81.4	83.8	85.9	88.8	89.6	92.5	94.3	95.0	96.5	97.5	97.5	97.8	97.8	98.7	99.5
≥ 0	45.8	81.4	83.8	85.9	88.8	89.6	92.5	94.3	95.0	96.5	97.5	97.5	97.8	97.8	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS

923

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72-068

OTIS AFB MA

68-70,73,76-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥¼	≥0
NO CEILING	36.6	51.2	51.5	51.8	52.0	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.3
≥ 20000	37.6	52.7	53.7	53.3	53.5	53.5	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.8	53.8
≥ 18000	37.6	52.7	53.7	53.4	53.5	53.6	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 16000	37.6	52.8	53.1	53.4	53.6	53.6	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.9	53.9
≥ 14000	39.2	54.5	54.8	55.2	55.3	55.3	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 12000	40.2	55.9	56.2	56.6	56.7	56.7	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 10000	42.4	59.2	59.6	60.0	60.2	60.2	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.5	60.5
≥ 9000	42.5	59.4	59.8	60.2	60.4	60.4	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7
≥ 8000	43.8	61.7	62.2	62.6	62.8	62.8	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 7000	44.2	62.7	63.3	63.7	64.0	64.0	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.4
≥ 6000	45.1	64.3	64.9	65.3	65.6	65.6	65.8	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.1	66.1
≥ 5000	46.9	67.0	67.8	68.2	68.6	68.7	68.9	69.0	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2
≥ 4500	47.2	67.7	68.6	69.0	69.4	69.5	69.8	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.1	70.1
≥ 4000	48.4	69.4	70.4	70.9	71.4	71.6	71.8	71.9	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1
≥ 3500	49.2	70.7	71.7	72.2	72.7	72.9	73.2	73.3	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5
≥ 3000	50.5	72.8	73.8	74.5	75.1	75.3	75.6	75.8	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2500	51.7	74.7	75.8	76.5	77.1	77.4	77.7	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.1	78.1
≥ 2000	53.1	77.1	78.5	79.3	80.2	80.4	80.8	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.4	81.4
≥ 1800	53.0	77.3	78.8	79.6	80.5	80.7	81.1	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.7	81.7
≥ 1500	53.5	78.3	79.9	80.8	81.9	82.1	82.7	83.1	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1200	53.8	79.1	80.9	82.0	83.2	83.5	84.2	84.6	84.8	84.9	84.9	84.9	85.0	85.0	85.0	85.0
≥ 1000	54.1	79.6	81.4	82.6	83.9	84.3	85.0	85.5	85.7	85.9	85.9	85.9	85.9	85.9	86.0	86.0
≥ 900	54.1	79.8	81.8	83.1	84.4	84.8	85.7	86.2	86.4	86.6	86.7	86.7	86.7	86.7	86.7	86.7
≥ 800	54.2	80.0	82.1	83.4	85.0	85.4	86.5	87.0	87.2	87.5	87.7	87.7	87.7	87.7	87.7	87.7
≥ 700	54.2	80.1	82.3	83.8	85.5	86.0	87.2	87.8	88.0	88.4	88.6	88.6	88.6	88.6	88.6	88.7
≥ 600	54.2	80.2	82.4	83.9	85.9	86.4	87.9	88.6	88.9	89.4	89.6	89.6	89.6	89.6	89.7	89.7
≥ 500	54.2	80.4	82.7	84.3	86.6	87.2	89.1	90.0	90.4	91.0	91.3	91.3	91.4	91.4	91.5	91.5
≥ 400	54.2	80.5	82.8	84.4	87.1	87.8	90.1	91.4	91.8	92.7	93.0	93.1	93.2	93.2	93.3	93.3
≥ 300	54.2	80.5	82.9	84.5	87.4	88.4	91.1	92.8	93.3	94.7	95.3	95.3	95.6	95.6	95.7	95.8
≥ 200	54.2	80.5	82.9	84.6	87.5	88.5	91.3	93.3	94.0	95.8	96.7	96.8	97.4	97.5	97.7	97.8
≥ 100	54.2	80.5	82.9	84.6	87.5	88.5	91.4	93.3	94.0	95.9	97.0	97.2	98.1	98.3	99.0	99.4
≥ 0	54.2	80.5	82.9	84.6	87.5	88.5	91.4	93.3	94.0	96.0	97.1	97.3	98.2	98.4	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 7394

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

15064

OTIS AFB MA

68-70, 73, 76-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	36.5	57.7	58.7	59.5	59.7	59.8	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.4	60.4	60.5
≥ 20000	36.7	58.2	59.1	60.0	60.2	60.3	60.7	60.7	60.7	60.7	60.8	60.8	60.8	60.9	60.9	61.0
≥ 18000	36.7	58.2	59.1	60.0	60.2	60.3	60.7	60.7	60.7	60.7	60.8	60.8	60.8	60.9	60.9	61.0
≥ 16000	36.7	58.2	59.1	60.0	60.2	60.3	60.7	60.7	60.7	60.7	60.8	60.8	60.8	60.9	60.9	61.0
≥ 14000	38.3	59.8	60.9	61.7	62.0	62.1	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.7	62.7	62.8
≥ 12000	39.3	61.7	62.8	63.6	63.8	64.0	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.5	64.5	64.7
≥ 10000	41.1	64.5	65.7	66.8	67.0	67.1	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.7	67.7	67.8
≥ 9000	41.1	64.8	66.0	67.0	67.3	67.4	67.7	67.7	67.7	67.8	67.8	67.8	67.8	68.0	68.0	68.1
≥ 8000	42.2	66.2	67.4	68.4	68.7	68.8	69.1	69.1	69.1	69.3	69.3	69.3	69.3	69.4	69.4	69.5
≥ 7000	42.3	66.9	68.1	69.1	69.4	69.5	69.8	69.8	69.8	69.8	70.0	70.0	70.0	70.2	70.2	70.3
≥ 6000	43.6	68.6	69.7	70.8	71.0	71.1	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.8	71.8	72.0
≥ 5000	44.2	69.6	70.8	71.8	72.2	72.3	72.7	72.7	72.7	72.8	72.8	72.8	72.8	73.0	73.0	73.1
≥ 4500	44.2	70.2	71.4	72.4	72.8	72.9	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.6	73.6	73.7
≥ 4000	44.6	71.1	72.3	73.4	73.7	73.9	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.6	74.6	74.7
≥ 3500	45.1	72.6	73.7	74.8	75.1	75.3	75.6	75.6	75.6	75.7	75.7	75.7	75.7	76.0	76.0	76.1
≥ 3000	45.5	73.9	75.1	76.2	76.6	76.7	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.4	77.4	77.5
≥ 2500	45.7	74.1	75.4	76.4	76.8	76.9	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.6	77.6	77.7
≥ 2000	46.1	75.7	77.3	78.3	79.0	79.2	79.5	79.5	79.5	80.0	80.1	80.1	80.1	80.3	80.3	80.4
≥ 1800	46.2	76.2	77.7	78.8	79.5	79.6	80.0	80.0	80.0	80.4	80.6	80.6	80.6	80.8	80.8	80.9
≥ 1500	46.3	76.9	78.4	79.9	80.6	80.8	81.3	81.3	81.3	81.9	82.0	82.0	82.0	82.2	82.2	82.3
≥ 1200	46.3	77.5	79.0	80.4	81.2	81.4	81.9	81.9	81.9	82.4	82.6	82.6	82.6	82.8	82.8	82.9
≥ 1000	46.4	77.9	79.6	81.0	82.0	82.3	82.9	82.9	82.9	83.5	83.6	83.6	83.6	83.9	83.9	84.0
≥ 900	46.4	78.1	79.9	81.3	82.2	82.6	83.2	83.4	83.4	84.0	84.1	84.1	84.1	84.3	84.3	84.5
≥ 800	46.4	78.4	80.2	81.6	82.6	82.9	83.5	83.9	83.9	84.5	84.6	84.7	84.7	84.9	84.9	85.0
≥ 700	46.5	79.3	81.4	82.8	83.7	84.1	84.7	85.0	85.0	85.6	85.7	85.9	85.9	86.1	86.1	86.2
≥ 600	46.5	79.5	82.0	83.4	84.3	84.9	85.6	86.1	86.1	86.7	86.8	86.9	86.9	87.2	87.2	87.3
≥ 500	46.5	80.1	82.8	84.3	85.7	86.5	87.5	88.7	89.4	89.5	89.8	89.8	89.8	90.0	90.0	90.1
≥ 400	46.9	80.8	83.7	85.4	87.4	88.1	89.5	90.9	91.6	91.8	92.0	92.0	92.0	92.2	92.2	92.3
≥ 300	46.9	81.1	84.2	86.2	88.2	89.0	90.7	92.5	93.6	94.2	94.7	94.7	94.7	95.3	95.3	95.4
≥ 200	46.3	81.3	84.2	86.2	88.2	89.0	90.9	92.8	94.2	95.5	96.3	96.3	96.3	96.9	96.9	97.1
≥ 100	46.9	81.3	84.2	86.2	88.2	89.0	90.9	92.8	94.2	95.9	97.1	97.1	97.1	98.6	98.7	99.5
≥ 0	46.9	81.3	84.2	86.2	88.2	89.0	90.9	92.8	94.2	95.9	97.1	97.1	97.1	98.6	98.7	99.5

TOTAL NUMBER OF OBSERVATIONS 849

2
GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

75063

OTIS AFB MA

68-70,73,76-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	34.1	54.9	56.3	57.1	57.3	57.6	58.0	58.3	58.3	58.4	58.6	58.6	58.6	58.6	58.6	58.9
≥ 20000	34.1	55.0	56.6	57.4	57.5	57.9	58.2	58.6	58.6	58.7	58.8	58.8	58.8	58.8	58.8	59.1
≥ 18000	34.1	55.0	56.6	57.4	57.5	57.9	58.2	58.6	58.6	58.7	58.8	58.8	58.8	58.8	58.8	59.1
≥ 16000	34.1	55.0	56.6	57.4	57.5	57.9	58.2	58.6	58.6	58.7	58.8	58.8	58.8	58.8	58.8	59.1
≥ 14000	34.7	56.3	58.0	58.8	58.9	59.3	59.6	60.0	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.6
≥ 12000	34.7	56.9	58.6	59.4	59.5	59.9	60.2	60.6	60.6	60.7	60.8	60.8	60.8	60.8	60.8	61.2
≥ 10000	36.4	59.3	61.2	62.3	62.5	62.8	63.2	63.5	63.5	63.6	63.8	63.8	63.8	63.8	63.8	64.1
≥ 9000	36.4	59.3	61.2	62.3	62.5	62.8	63.2	63.5	63.5	63.6	63.8	63.8	63.8	63.8	63.8	64.1
≥ 8000	37.8	61.3	63.2	64.3	64.5	64.8	65.3	65.6	65.6	65.8	65.9	65.9	65.9	65.9	65.9	66.2
≥ 7000	39.5	62.2	64.1	65.3	65.4	65.8	66.2	66.6	66.7	66.8	66.9	66.9	66.9	66.9	66.9	67.3
≥ 6000	39.7	65.3	67.3	68.5	68.6	68.9	69.4	69.8	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.5
≥ 5000	40.0	66.4	68.8	70.1	70.2	70.6	71.1	71.4	71.5	71.7	71.9	71.9	71.9	71.9	71.9	72.3
≥ 4500	40.1	66.7	69.3	70.6	70.7	71.1	71.5	71.9	72.0	72.1	72.4	72.4	72.4	72.4	72.4	72.7
≥ 4000	40.6	67.8	70.4	71.7	71.8	72.1	72.6	73.0	73.1	73.2	73.4	73.4	73.4	73.4	73.4	73.8
≥ 3500	41.3	68.5	71.3	72.6	72.7	73.1	73.6	73.9	74.0	74.1	74.4	74.4	74.4	74.4	74.4	74.7
≥ 3000	42.0	70.6	73.8	75.1	75.3	75.7	76.2	76.5	76.6	76.9	77.1	77.1	77.1	77.1	77.1	77.4
≥ 2500	42.0	71.3	74.6	75.9	76.2	76.5	77.0	77.3	77.4	77.7	77.9	77.9	77.9	77.9	77.9	78.3
≥ 2000	42.4	73.6	77.1	78.5	79.3	79.7	80.3	80.6	80.8	81.3	81.6	81.6	81.6	81.6	81.6	81.9
≥ 1800	42.4	74.0	77.6	79.0	79.8	80.2	81.0	81.3	81.5	82.1	82.3	82.3	82.3	82.3	82.3	82.6
≥ 1500	42.4	75.4	79.1	80.5	81.3	81.7	82.5	82.9	83.1	83.7	83.9	83.9	83.9	83.9	83.9	84.3
≥ 1200	42.5	76.3	80.0	81.5	82.3	82.6	83.5	83.8	84.1	84.8	85.0	85.0	85.0	85.0	85.0	85.4
≥ 1000	42.7	76.7	80.5	81.9	83.0	83.4	84.5	85.0	85.2	86.0	86.2	86.2	86.2	86.2	86.2	86.5
≥ 900	42.7	76.7	80.8	82.2	83.2	83.6	84.8	85.2	85.5	86.2	86.5	86.5	86.5	86.5	86.5	86.9
≥ 800	42.7	77.1	81.1	82.5	83.6	83.9	85.1	85.7	86.0	86.8	87.4	87.4	87.4	87.4	87.4	87.7
≥ 700	42.7	77.1	81.3	83.0	84.3	84.8	86.1	86.7	86.9	87.7	88.3	88.3	88.3	88.3	88.3	88.7
≥ 600	42.7	77.3	81.8	83.8	85.6	86.1	87.6	88.3	88.5	89.4	90.0	90.0	90.0	90.0	90.0	90.3
≥ 500	42.7	77.6	82.1	84.1	86.2	87.4	89.4	90.4	90.8	91.6	92.2	92.3	92.3	92.3	92.3	92.7
≥ 400	42.7	77.8	82.4	84.7	86.9	88.3	90.3	91.6	92.1	93.3	93.9	94.0	94.0	94.0	94.0	94.3
≥ 300	42.7	78.0	82.6	85.0	87.5	88.9	91.0	92.3	92.9	94.2	94.9	95.0	95.2	95.2	95.2	95.5
≥ 200	42.7	78.0	82.6	85.0	87.7	89.1	91.6	93.2	93.9	95.5	96.3	96.5	96.6	96.6	96.6	96.9
≥ 100	42.7	78.0	82.6	85.0	87.7	89.1	91.6	93.2	94.0	96.2	97.3	97.4	97.4	98.6	98.6	99.2
≥ 0	42.7	78.0	82.6	85.0	87.7	89.1	91.6	93.2	94.0	96.2	97.3	97.4	98.6	98.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS

847

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

0016R
STATION

OTIS AFB MA
STATION NAME

68-70,73,76-81
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-2600
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	36.6	47.9	49.5	50.1	50.6	51.0	51.0	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.6
≥ 20000	37.6	49.1	50.6	51.2	51.8	52.2	52.2	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.8
≥ 18000	37.6	49.1	50.6	51.2	51.8	52.2	52.2	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.8
≥ 16000	37.6	49.2	50.8	51.4	51.9	52.3	52.3	52.3	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.9
≥ 14000	39.1	50.9	52.4	53.1	53.7	54.1	54.1	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.7
≥ 12000	39.1	51.8	53.5	54.2	54.9	55.2	55.2	55.2	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.8
≥ 10000	42.0	56.4	58.5	59.2	60.2	60.5	60.5	60.5	60.7	60.8	60.8	60.8	60.8	60.8	60.8	61.1
≥ 9000	42.7	56.7	58.8	59.5	60.4	60.8	60.8	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.4
≥ 8000	42.5	57.5	59.7	60.5	61.7	62.1	62.2	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.8
≥ 7000	42.5	58.4	60.7	61.6	62.8	63.1	63.3	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.8
≥ 6000	43.9	61.0	63.4	64.3	65.5	66.0	66.1	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.7
≥ 5000	45.6	63.6	66.4	67.5	69.1	69.6	69.8	69.8	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.4
≥ 4500	45.7	64.3	66.8	67.8	69.5	70.0	70.3	70.3	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.9
≥ 4000	46.4	65.5	68.3	69.4	71.1	71.6	72.0	72.0	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.6
≥ 3500	46.8	66.1	69.1	70.2	72.1	72.6	72.9	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.5
≥ 3000	47.3	67.8	71.0	72.3	74.2	74.7	75.0	75.0	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.7
≥ 2500	47.7	68.7	72.1	73.4	75.9	76.3	76.9	76.9	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.7
≥ 2000	48.4	71.1	74.7	76.0	78.6	79.0	79.7	79.7	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.7
≥ 1800	46.8	71.5	75.0	76.3	78.9	79.4	80.1	80.2	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.4
≥ 1500	49.2	72.8	76.6	78.0	80.8	81.3	82.2	82.3	82.4	83.2	83.2	83.2	83.2	83.2	83.2	83.5
≥ 1200	49.2	73.6	77.4	78.8	81.7	82.2	83.3	83.4	83.5	84.2	84.2	84.2	84.2	84.2	84.2	84.6
≥ 1000	49.2	73.6	77.4	78.9	82.1	82.6	83.7	84.0	84.1	84.8	84.9	85.0	85.0	85.0	85.0	85.4
≥ 900	49.2	73.6	77.4	78.9	82.3	82.8	84.0	84.5	84.6	85.4	85.6	85.7	85.7	85.7	85.7	86.1
≥ 800	49.2	73.6	77.5	79.0	82.4	82.9	84.2	84.8	84.9	86.0	86.2	86.3	86.3	86.3	86.3	86.9
≥ 700	49.2	73.6	77.5	79.2	82.8	83.3	84.8	85.6	85.7	86.9	87.4	87.5	87.5	87.5	87.5	88.1
≥ 600	49.2	73.7	79.0	79.7	83.5	84.1	85.7	86.7	87.0	88.2	89.0	89.2	89.2	89.2	89.4	89.8
≥ 500	49.2	74.0	78.2	80.0	84.5	85.6	87.9	89.3	89.9	91.4	92.2	92.5	92.7	92.7	92.9	93.3
≥ 400	49.2	74.1	78.4	80.2	84.7	86.0	88.2	90.1	90.9	92.6	93.6	93.9	94.1	94.1	94.3	94.7
≥ 300	49.2	74.1	78.4	80.2	84.8	86.3	88.6	91.0	92.2	94.1	95.2	95.4	95.6	95.6	95.9	96.2
≥ 200	49.2	74.1	78.4	80.3	85.0	86.6	88.9	91.6	92.9	95.2	96.3	96.6	97.5	97.5	97.9	98.2
≥ 100	49.2	74.1	78.4	80.3	85.0	86.6	88.9	91.6	92.9	95.4	96.7	96.9	98.4	98.4	99.1	99.4
≥ 0	49.2	74.1	78.4	80.3	85.0	86.6	88.9	91.6	92.9	95.4	96.7	96.9	98.4	98.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 849

2
FEDERAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

175066

DTIS AFB MA

68-70, 73, 76-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	46.2	51.6	51.9	52.8	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 20000	47.8	53.5	53.8	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 18000	47.8	53.5	53.8	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 16000	47.8	53.5	53.8	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 14000	48.9	54.9	55.2	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 12000	49.1	55.7	56.2	57.2	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 10000	52.7	60.3	60.8	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 9000	53.0	60.8	61.2	62.3	62.8	62.8	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 8000	53.9	62.5	63.4	64.4	64.9	64.9	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 7000	54.7	63.4	64.2	65.3	65.7	65.7	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 6000	55.7	65.5	66.4	67.5	68.0	68.0	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 5000	57.4	67.6	68.7	69.7	70.4	70.4	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 4500	57.4	67.6	68.7	69.7	70.4	70.6	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000	58.2	68.8	70.0	71.4	72.1	72.2	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3500	58.5	69.3	70.8	72.2	72.9	73.0	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 3000	59.7	70.7	72.2	73.6	74.4	74.6	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 2500	60.9	72.3	73.9	75.7	76.9	77.0	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 2000	62.1	74.4	76.7	78.7	79.3	79.4	80.2	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1800	62.2	74.7	76.2	78.2	79.5	79.7	80.7	81.0	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 1500	62.4	75.6	77.3	79.3	80.7	80.9	81.9	82.2	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1200	62.5	76.2	78.1	80.4	82.0	82.2	83.2	83.5	83.7	84.1	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1000	62.7	76.6	78.4	80.8	82.6	82.8	83.9	84.5	84.7	85.2	85.3	85.3	85.3	85.3	85.3	85.3
≥ 900	62.7	76.8	78.8	81.2	83.0	83.4	84.5	85.0	85.3	85.7	85.9	86.0	86.2	86.3	86.3	86.3
≥ 800	62.7	76.9	79.0	81.4	83.3	83.7	84.9	85.7	86.0	86.5	86.6	86.7	87.0	87.3	87.3	87.3
≥ 700	62.7	77.1	79.3	81.6	83.6	84.1	85.3	86.2	86.5	86.9	87.0	87.2	87.5	87.8	87.8	87.8
≥ 600	62.7	77.1	79.3	81.7	83.7	84.5	85.9	86.9	87.2	87.6	87.8	87.9	88.3	88.6	88.6	88.6
≥ 500	62.7	77.1	79.4	82.3	84.5	85.4	87.0	88.8	89.4	90.2	90.6	90.7	91.3	91.5	91.5	91.5
≥ 400	62.7	77.1	79.5	82.4	85.2	86.3	88.7	90.9	92.1	93.4	93.9	94.0	94.6	94.8	94.8	94.8
≥ 300	62.7	77.1	79.5	82.6	85.6	86.8	89.5	92.1	93.4	95.2	95.6	95.8	96.3	96.6	96.6	96.6
≥ 200	62.7	77.1	79.5	82.6	85.6	86.8	89.5	92.1	93.4	95.8	96.2	96.3	97.1	97.4	97.4	97.4
≥ 100	62.7	77.1	79.5	82.6	85.6	86.8	89.5	92.1	93.5	96.3	96.9	97.3	98.4	98.7	99.2	99.2
≥ 0	62.7	77.1	79.5	82.6	85.6	86.8	89.5	92.1	93.5	96.3	96.9	97.3	98.4	98.8	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

849

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

700 68

OTIS AFB MA

68-70,73,76-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12.0-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	47.3	51.9	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7
≥ 2000	48.3	53.8	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7
≥ 1800	48.5	53.9	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8
≥ 1600	48.5	53.9	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8
≥ 1400	50.0	56.0	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.0	57.0	57.0	57.0	57.0	57.0
≥ 1200	50.7	56.8	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8
≥ 1000	53.2	60.0	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1
≥ 900	53.4	60.3	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3
≥ 800	55.1	63.3	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3
≥ 700	55.5	63.7	64.4	64.7	64.7	64.7	64.7	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0
≥ 600	56.0	65.2	66.0	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6
≥ 500	58.1	67.6	68.6	69.2	69.2	69.2	69.2	69.3	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7
≥ 4500	58.3	67.8	68.9	69.5	69.5	69.5	69.6	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9
≥ 4000	60.0	70.0	71.1	71.8	71.8	71.8	71.9	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4
≥ 3500	60.8	71.1	72.2	72.9	72.9	72.9	73.0	73.3	73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.5
≥ 3000	62.1	72.9	73.8	74.6	74.8	74.8	74.9	75.2	75.2	75.2	75.4	75.4	75.4	75.4	75.4	75.4
≥ 2500	62.7	73.8	75.0	76.1	76.2	76.2	76.3	76.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9
≥ 2000	63.8	75.7	77.4	78.4	78.7	78.7	78.8	79.1	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1800	64.0	76.2	77.8	78.9	79.1	79.1	79.4	79.7	79.8	79.8	80.2	80.2	80.2	80.2	80.2	80.2
≥ 1600	64.5	77.7	79.6	80.8	81.0	81.1	81.4	81.7	81.8	81.8	82.2	82.2	82.3	82.3	82.3	82.3
≥ 1400	64.9	78.4	80.3	81.5	81.7	82.1	82.4	82.9	83.0	83.0	83.4	83.4	83.5	83.5	83.5	83.5
≥ 1200	65.3	79.2	81.1	82.3	82.8	83.1	83.5	84.3	84.9	85.0	85.4	85.4	85.5	85.5	85.5	85.5
≥ 1000	65.4	79.4	81.3	82.5	83.1	83.5	83.8	84.7	85.3	85.4	85.7	85.7	85.8	85.8	85.8	85.8
≥ 900	65.4	79.6	81.5	82.9	83.6	84.0	84.3	85.4	86.0	86.2	86.6	86.6	86.7	86.7	86.7	86.7
≥ 800	65.4	79.8	81.7	83.4	84.1	84.4	84.8	85.8	86.4	86.7	87.0	87.0	87.1	87.1	87.1	87.1
≥ 700	65.4	80.1	82.2	83.8	84.7	85.0	85.6	87.1	87.7	88.0	88.4	88.4	88.6	88.7	88.7	88.7
≥ 600	65.4	80.1	82.2	83.8	84.7	85.0	85.6	87.1	87.7	88.0	88.4	88.4	88.6	88.7	88.7	88.7
≥ 500	65.4	80.3	82.5	84.4	85.4	85.7	87.1	89.5	90.2	91.2	91.7	91.7	92.1	92.2	92.2	92.2
≥ 400	65.4	80.5	83.1	85.0	86.1	87.0	88.6	91.3	92.1	93.3	93.9	93.9	94.2	94.3	94.3	94.3
≥ 300	65.4	80.5	83.1	85.3	86.4	87.4	89.2	92.3	93.3	95.4	96.0	96.0	96.5	96.6	96.7	96.7
≥ 200	65.4	80.5	83.1	85.3	86.4	87.5	89.3	92.5	93.4	95.8	96.3	96.3	97.4	97.5	97.5	97.6
≥ 100	65.4	80.5	83.1	85.3	86.4	87.5	89.3	92.5	93.5	96.1	97.1	97.1	98.3	98.5	98.8	98.8
≥ 0	65.4	80.5	83.1	85.3	86.4	87.5	89.3	92.5	93.5	96.1	97.2	97.2	98.5	98.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS

48

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

66-70

OTIS AFB MA

66-70, 73, 76-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	47.1	52.8	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 20000	46.1	54.4	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 18000	43.1	54.4	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 16000	45.2	54.6	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 14000	50.2	57.1	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 12000	51.2	58.4	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 10000	53.3	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 9000	53.3	61.6	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 8000	55.1	64.9	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 7000	56.3	65.0	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 6000	56.7	65.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 5000	58.4	68.5	69.7	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 4500	59.1	69.2	70.4	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8
≥ 4000	59.8	70.4	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9
≥ 3500	60.5	71.3	72.5	72.6	72.8	72.8	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3000	61.4	72.9	74.2	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.8	74.8	74.8	74.8	74.8	74.8
≥ 2500	62.1	74.4	75.7	75.9	76.3	76.3	76.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 2000	62.9	76.5	78.1	78.4	78.8	78.8	79.2	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 1800	63.3	77.1	79.7	79.7	79.4	79.4	80.0	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 1500	63.3	78.3	80.2	80.7	81.0	81.0	81.6	81.7	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1200	63.9	79.5	80.9	81.4	81.8	81.8	82.4	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1000	64.4	79.2	81.8	82.3	83.1	83.1	83.8	84.3	84.6	84.8	84.9	84.9	84.9	84.9	84.9	84.9
≥ 900	64.4	79.2	82.0	82.4	83.3	83.4	84.2	84.7	84.9	85.1	85.3	85.3	85.3	85.3	85.3	85.3
≥ 800	64.4	79.6	82.3	82.9	83.7	84.0	84.8	85.3	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8
≥ 700	64.4	80.0	82.7	83.3	84.2	84.4	85.6	86.1	86.4	86.9	87.0	87.0	87.0	87.0	87.0	87.0
≥ 600	64.4	80.0	82.8	83.4	84.4	84.9	86.3	87.4	87.7	88.3	88.4	88.4	88.4	88.4	88.4	88.4
≥ 500	64.4	80.3	83.4	84.0	85.0	85.5	87.0	88.6	89.0	90.2	90.6	90.6	90.6	90.6	90.6	90.6
≥ 400	64.4	80.7	84.0	84.6	85.8	86.7	88.8	91.4	92.0	93.4	93.8	93.8	93.9	93.9	94.1	94.1
≥ 300	64.4	80.7	84.0	84.7	86.1	86.9	89.2	92.0	92.7	94.7	95.2	95.2	95.4	95.4	95.8	95.8
≥ 200	64.4	80.7	84.0	84.7	86.3	87.1	89.4	92.2	92.9	95.3	95.9	95.9	96.7	96.8	97.3	97.3
≥ 100	64.4	80.7	84.0	84.7	86.3	87.1	89.4	92.2	92.9	95.5	96.2	96.2	97.4	97.8	98.8	98.8
≥ 0	64.4	80.7	84.0	84.7	86.3	87.1	89.4	92.2	92.9	95.5	96.2	96.2	97.4	97.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

848

AD-A113 716

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
OTIS AFB, FALMOUTH, MASSACHUSETTS. REVISED UNIFORM SUMMARY OF S--ETC(U)
FEB 82

UNCLASSIFIED

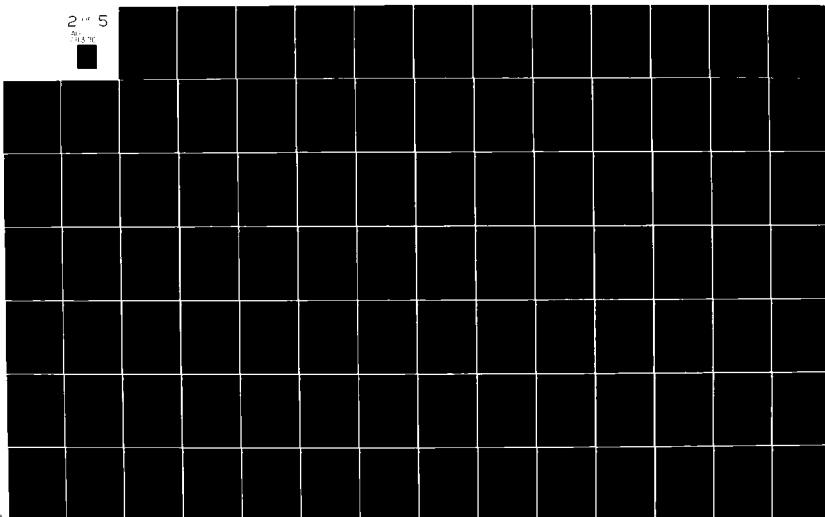
USAFETAC/DS-82/010

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2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

100 68

OTIS AFB MA

68-70, 73, 76-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/8	≥ 0
NO CEILING	37.4	56.0	56.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000	38.3	57.9	58.7	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 18000	38.3	58.1	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 16000	38.3	58.1	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000	40.3	60.1	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 12000	40.4	60.5	61.3	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.8
≥ 10000	41.6	63.2	64.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 9000	41.7	63.3	64.5	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 8000	43.4	65.2	66.5	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 7000	43.4	65.4	66.7	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 6000	43.4	66.2	67.6	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 5000	45.3	68.9	70.4	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 4500	45.3	69.3	70.9	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4000	46.2	71.5	73.2	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3500	46.2	71.7	73.5	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 3000	47.1	73.1	75.2	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 2500	47.2	73.6	75.7	76.5	76.9	77.0	77.0	77.0	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2000	47.5	76.9	79.0	79.8	80.2	80.3	80.3	80.3	80.5	80.7	80.8	80.8	80.8	80.8	80.8	80.8
≥ 1800	47.5	77.5	79.7	80.5	80.9	81.0	81.0	81.0	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5
≥ 1500	48.1	78.4	80.7	81.5	81.8	82.0	82.0	82.0	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4
≥ 1200	48.1	78.8	81.0	81.8	82.2	82.3	82.4	82.4	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1000	48.1	78.9	81.3	82.5	82.9	83.0	83.3	83.4	83.6	84.0	84.1	84.1	84.1	84.1	84.1	84.1
≥ 900	48.1	79.1	81.5	82.8	83.1	83.3	83.5	83.6	83.8	84.2	84.3	84.3	84.3	84.3	84.3	84.3
≥ 800	48.1	79.4	81.8	83.1	83.7	83.8	84.2	84.4	84.8	85.3	85.4	85.4	85.4	85.4	85.4	85.4
≥ 700	48.1	79.8	82.3	83.6	84.2	84.3	84.8	85.0	85.5	86.1	86.2	86.2	86.2	86.2	86.2	86.2
≥ 600	48.1	80.0	82.5	83.8	84.8	84.9	85.4	85.7	86.2	86.8	86.9	86.9	86.9	86.9	86.9	86.9
≥ 500	48.1	80.1	82.7	84.0	85.0	85.1	85.8	87.1	87.7	88.6	88.7	88.7	88.7	88.7	88.7	88.7
≥ 400	48.1	80.3	83.0	84.3	85.8	86.0	87.0	88.8	89.7	90.9	91.2	91.2	91.5	91.5	91.5	91.5
≥ 300	48.1	80.4	83.1	84.6	86.3	86.7	87.9	90.2	91.4	92.6	93.2	93.2	93.6	93.6	93.6	93.6
≥ 200	48.1	80.4	83.1	84.6	86.8	87.4	88.8	91.4	92.7	94.5	95.5	95.5	96.6	96.6	96.6	96.6
≥ 100	48.1	80.4	83.1	84.6	86.8	87.4	88.8	91.4	92.8	94.8	95.9	95.9	97.3	97.3	98.8	98.9
≥ 0	48.1	80.4	83.1	84.6	86.8	87.4	88.8	91.4	92.8	94.8	95.9	96.0	97.4	97.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

848

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

100065

OTIS AFB MA

66-70,73,76-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300
 HOURS (L.A.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/20	≥ 0
NO CEILING	39.0	59.5	60.2	60.7	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 20000	39.0	60.0	60.7	61.1	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 18000	39.0	60.0	60.7	61.1	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 16000	39.0	60.0	60.7	61.1	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 14000	40.4	61.4	62.2	62.7	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 12000	40.5	61.8	62.7	63.1	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 10000	42.2	64.2	65.3	65.7	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 9000	42.3	64.3	65.4	65.8	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 8000	43.3	66.3	67.4	67.8	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 7000	43.3	66.4	67.5	68.0	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 6000	44.3	68.0	69.0	69.5	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 5000	44.5	69.0	70.4	70.9	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 4500	44.5	69.5	70.9	71.4	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4000	45.6	71.1	72.6	73.0	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 3500	45.6	71.3	72.7	73.1	73.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 3000	46.2	73.1	74.6	75.1	75.7	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 2500	46.3	74.6	76.0	76.6	77.1	77.1	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2000	46.3	77.3	78.7	79.3	79.9	79.9	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 1800	46.9	77.7	79.2	79.7	80.3	80.3	80.6	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 1500	47.2	78.4	79.9	80.4	81.0	81.2	81.4	81.6	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1200	47.6	79.0	80.4	81.0	81.6	81.9	82.2	82.4	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1000	47.8	79.7	81.2	81.7	82.3	82.6	82.9	83.4	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9
≥ 900	47.8	80.2	81.6	82.3	82.9	83.2	83.5	84.0	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5
≥ 800	47.8	80.2	81.6	82.3	82.9	83.2	83.5	84.0	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5
≥ 700	47.9	80.4	81.9	82.6	83.2	83.4	83.7	84.2	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7
≥ 600	47.9	81.4	83.0	83.9	84.6	84.8	85.5	86.0	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5
≥ 500	48.1	81.9	83.6	84.5	85.2	85.9	87.0	87.5	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1
≥ 400	48.1	82.3	84.2	85.2	86.1	86.8	88.3	89.4	90.2	90.5	90.6	90.6	90.6	90.6	90.6	90.6
≥ 300	48.1	82.3	84.2	85.3	86.7	87.5	89.6	91.3	92.3	92.9	93.5	93.5	93.5	93.5	93.5	93.5
≥ 200	48.1	82.4	84.3	85.4	86.9	87.9	90.3	92.2	93.5	94.9	95.9	95.9	96.2	96.3	96.7	96.7
≥ 100	48.1	82.4	84.3	85.4	86.9	87.9	90.3	92.2	93.5	95.3	96.3	96.3	97.3	97.5	98.9	98.9
≥ 0	48.1	82.4	84.3	85.4	86.9	87.9	90.3	92.2	93.5	95.3	96.3	96.3	97.3	97.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 840

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

100 68

OTIS AFB MA

68-70, 73, 76-61

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.V.)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0
NO CEILING	40.5	54.0	54.9	55.4	55.7	55.8	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.1
≥ 20 000	41.2	55.2	56.1	56.7	56.9	57.0	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.3
≥ 18000	41.3	55.3	56.2	56.7	56.9	57.0	57.1	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.4
≥ 16000	41.3	55.3	56.2	56.8	57.0	57.1	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.4
≥ 14000	42.3	57.1	58.7	58.6	58.8	58.9	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.2
≥ 12000	43.2	58.0	58.9	59.5	59.7	59.8	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.2
≥ 10000	45.3	61.2	62.3	63.0	63.3	63.4	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.7
≥ 9000	45.4	61.4	62.5	63.2	63.5	63.6	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.9
≥ 8000	46.9	63.4	64.6	65.3	65.6	65.7	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.1
≥ 7000	47.2	63.9	65.2	65.9	66.2	66.3	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.7	66.8
≥ 6000	48.0	65.7	67.0	67.7	68.1	68.2	68.4	68.4	68.5	68.5	68.5	68.5	68.6	68.6	68.7
≥ 5000	49.2	67.6	69.2	70.0	70.5	70.6	70.8	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.1
≥ 4500	49.3	68.0	69.6	70.4	70.9	71.0	71.2	71.3	71.3	71.4	71.4	71.4	71.5	71.5	71.6
≥ 4000	50.2	69.5	71.2	72.0	72.5	72.7	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.2
≥ 3500	50.6	70.2	72.0	72.8	73.3	73.5	73.7	73.8	73.8	73.9	73.9	73.9	74.0	74.0	74.1
≥ 3000	51.4	71.9	73.8	74.7	75.2	75.4	75.6	75.7	75.7	75.8	75.9	75.9	75.9	75.9	76.0
≥ 2500	51.7	72.8	74.8	75.8	76.5	76.7	77.0	77.0	77.1	77.3	77.3	77.3	77.3	77.3	77.4
≥ 2000	52.5	75.2	77.3	78.3	79.2	79.4	79.8	79.9	80.1	80.3	80.3	80.3	80.4	80.4	80.5
≥ 1800	52.6	75.6	77.7	78.8	79.7	79.8	80.3	80.5	80.7	80.9	81.0	81.0	81.1	81.1	81.2
≥ 1500	53.0	76.7	79.0	80.1	81.0	81.2	81.8	82.0	82.2	82.4	82.5	82.5	82.6	82.6	82.7
≥ 1200	53.1	77.3	79.7	80.9	81.8	82.1	82.7	82.9	83.1	83.4	83.5	83.5	83.5	83.5	83.6
≥ 1000	53.3	77.7	80.2	81.4	82.6	82.9	83.6	84.0	84.3	84.6	84.8	84.8	84.8	84.8	84.9
≥ 900	53.4	77.9	80.4	81.7	82.9	83.2	83.9	84.4	84.7	85.1	85.2	85.3	85.3	85.4	85.5
≥ 800	53.4	78.1	80.6	82.0	83.2	83.6	84.3	84.9	85.2	85.7	85.9	85.9	86.0	86.0	86.2
≥ 700	53.4	78.4	81.0	82.4	83.8	84.1	85.0	85.6	86.0	86.4	86.7	86.7	86.8	86.8	87.0
≥ 600	53.4	78.6	81.4	83.0	84.5	84.9	86.0	86.8	87.2	87.7	88.0	88.0	88.1	88.2	88.3
≥ 500	53.4	78.9	81.8	83.4	85.2	85.9	87.4	88.7	89.3	90.1	90.5	90.5	90.7	90.8	90.9
≥ 400	53.4	79.2	82.3	84.0	86.0	86.9	88.7	90.6	91.4	92.4	92.8	92.9	93.1	93.2	93.3
≥ 300	53.4	79.3	82.4	84.2	86.5	87.4	89.5	91.7	92.7	94.2	94.8	94.8	95.2	95.2	95.4
≥ 200	53.4	79.3	82.4	84.2	86.6	87.7	89.8	92.2	93.4	95.3	96.1	96.2	96.9	97.0	97.3
≥ 100	53.4	79.3	82.4	84.2	86.6	87.7	89.8	92.2	93.4	95.7	96.7	96.8	98.0	98.2	99.2
≥ 0	53.4	79.3	82.4	84.2	86.6	87.7	89.8	92.2	93.4	95.7	96.7	96.8	98.1	98.2	99.6

TOTAL NUMBER OF OBSERVATIONS 6787

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

05066

OTIS AFB MA

68-70, 73, 76-81

MAP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0000-0200
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	31.2	49.0	49.8	49.8	50.1	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.5	50.5	51.0
≥ 20000	31.3	49.3	50.2	50.2	50.4	50.5	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.9	50.9	51.5
≥ 18000	31.3	49.4	50.3	50.3	50.5	50.6	50.8	50.9	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.6
≥ 16000	31.3	49.4	50.3	50.3	50.5	50.6	50.8	50.9	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.6
≥ 14000	31.5	49.8	50.7	50.7	50.9	51.0	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.5	51.5	52.0
≥ 12000	31.5	49.9	50.8	50.8	51.0	51.1	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	52.1
≥ 10000	34.2	53.0	54.0	54.0	54.3	54.4	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8	55.3
≥ 9000	34.3	53.2	54.3	54.3	54.5	54.6	54.8	54.9	54.9	54.9	54.9	54.9	54.9	55.0	55.0	55.5
≥ 8000	35.1	54.9	56.0	56.0	56.2	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7	57.3
≥ 7000	36.7	56.8	58.0	58.0	58.2	58.3	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.8	58.8	59.3
≥ 6000	37.5	58.9	60.1	60.1	60.6	60.7	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.7
≥ 5000	39.3	61.2	62.4	62.5	63.1	63.2	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.6	63.6	64.2
≥ 4500	39.7	61.7	62.9	63.1	63.6	63.7	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.2	64.2	64.7
≥ 4000	41.1	63.7	64.9	65.1	65.7	66.0	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4	67.0
≥ 3500	42.2	65.6	66.7	67.1	67.7	68.0	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.6	68.6	69.1
≥ 3000	43.3	67.2	68.4	68.7	69.5	69.9	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.9
≥ 2500	44.9	70.0	71.2	71.5	72.4	72.9	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.4	74.0
≥ 2000	45.4	71.2	72.6	73.1	74.5	74.9	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.6	75.6	76.1
≥ 1800	45.6	71.7	73.1	73.6	75.1	75.6	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2	76.7
≥ 1500	45.6	72.2	73.8	74.4	76.0	76.4	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.7
≥ 1200	46.0	73.2	74.9	75.6	77.3	77.7	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.5	79.0
≥ 1000	46.7	73.4	75.2	76.0	78.3	78.7	79.2	79.4	79.4	79.4	79.5	79.5	79.5	79.7	79.7	80.2
≥ 900	46.4	74.1	75.9	76.7	79.1	79.5	80.1	80.3	80.3	80.4	80.4	80.4	80.4	80.5	80.5	81.1
≥ 800	46.5	74.4	76.2	77.1	79.8	80.3	80.8	81.1	81.1	81.2	81.2	81.2	81.2	81.3	81.3	81.9
≥ 700	46.5	74.7	76.5	77.4	80.4	80.9	81.8	82.3	82.3	82.5	82.5	82.5	82.5	82.6	82.6	83.1
≥ 600	46.5	74.9	76.9	77.9	81.7	82.2	83.2	83.7	83.9	84.0	84.0	84.0	84.0	84.1	84.1	84.6
≥ 500	46.6	75.6	77.7	78.9	84.2	84.7	86.1	86.9	87.0	87.2	87.3	87.3	87.5	87.5	87.5	88.1
≥ 400	46.6	75.6	77.8	79.2	84.7	85.4	87.7	88.8	88.9	89.2	89.3	89.3	89.6	89.6	89.6	90.1
≥ 300	46.6	75.6	77.8	79.3	85.3	85.9	88.4	89.7	90.0	90.4	90.9	90.9	91.3	91.3	91.3	91.8
≥ 200	46.6	75.6	77.8	79.4	85.6	86.2	88.8	90.4	90.9	91.7	92.5	92.6	93.2	93.2	93.3	93.9
≥ 100	46.6	75.7	77.9	79.5	85.8	86.4	89.0	90.9	91.3	92.7	93.9	94.4	95.8	95.9	96.2	97.4
≥ 0	46.6	75.7	77.9	79.5	85.8	86.4	89.0	90.9	91.3	92.7	94.0	94.5	96.0	96.2	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS

929

USAF ETAC FORM 0-14-3 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

700 63

OTIS AFB MA

66-70,73,76-81

MAC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	28.2	45.2	46.8	47.1	47.5	47.6	47.7	47.8	48.0	48.1	48.1	48.2	48.3	48.3	48.3	48.4
≥ 20000	28.6	46.8	47.5	47.8	48.1	48.2	48.4	48.7	48.9	49.0	49.0	49.1	49.2	49.2	49.2	49.3
≥ 18000	28.6	47.0	47.7	48.0	48.3	48.4	48.7	48.9	49.1	49.2	49.2	49.3	49.4	49.4	49.4	49.5
≥ 16000	28.6	47.0	47.7	48.0	48.3	48.4	48.7	48.9	49.1	49.2	49.2	49.3	49.4	49.4	49.4	49.5
≥ 14000	29.6	48.3	49.1	49.7	50.1	50.2	50.4	50.6	50.8	50.9	50.9	51.0	51.1	51.1	51.1	51.2
≥ 12000	29.7	48.4	49.1	49.8	50.2	50.3	50.5	50.7	50.9	51.0	51.0	51.1	51.2	51.2	51.2	51.3
≥ 10000	33.4	52.5	53.2	53.9	54.4	54.5	54.7	54.9	55.1	55.2	55.2	55.3	55.4	55.4	55.4	55.5
≥ 9500	33.4	52.5	53.4	54.3	54.7	54.8	55.0	55.2	55.4	55.5	55.5	55.7	55.8	55.8	55.8	55.9
≥ 8000	34.6	55.8	56.6	57.5	57.9	58.0	58.2	58.4	58.7	58.8	58.8	58.9	59.0	59.0	59.0	59.1
≥ 7000	35.5	56.8	57.7	58.6	59.0	59.1	59.3	59.5	59.7	59.8	59.8	60.0	60.1	60.1	60.1	60.2
≥ 6000	37.0	59.0	60.0	60.8	61.2	61.4	61.7	61.9	62.1	62.3	62.3	62.4	62.5	62.5	62.5	62.6
≥ 5000	38.6	62.1	63.2	64.0	64.5	64.6	64.9	65.1	65.3	65.6	65.6	65.7	65.8	65.8	65.8	65.9
≥ 4500	38.6	62.6	63.7	64.6	65.0	65.1	65.4	65.7	65.9	66.1	66.1	66.2	66.3	66.3	66.3	66.4
≥ 4000	39.5	64.0	65.1	66.0	66.4	66.5	66.8	67.1	67.3	67.5	67.5	67.6	67.7	67.7	67.7	67.8
≥ 3500	40.9	65.9	67.2	68.0	68.5	68.6	68.9	69.1	69.3	69.5	69.5	69.6	69.8	69.8	69.8	69.9
≥ 3000	41.7	67.5	68.9	69.8	70.2	70.3	70.6	70.8	71.0	71.3	71.3	71.4	71.5	71.5	71.5	71.6
≥ 2500	43.1	69.8	71.5	72.3	72.8	73.0	73.3	73.5	73.7	74.0	74.0	74.1	74.2	74.2	74.2	74.3
≥ 2000	43.5	71.0	72.9	73.7	74.5	74.7	75.2	75.5	75.7	75.9	75.9	76.0	76.1	76.1	76.1	76.2
≥ 1800	43.5	71.2	73.0	73.8	74.7	74.9	75.6	75.8	76.0	76.2	76.2	76.3	76.4	76.4	76.4	76.5
≥ 1500	43.5	71.5	73.6	74.5	75.6	75.8	76.4	76.6	76.9	77.1	77.1	77.2	77.3	77.3	77.3	77.4
≥ 1200	43.5	71.6	73.7	74.6	75.9	76.2	76.9	77.1	77.4	77.6	77.6	77.7	77.8	77.8	77.8	77.9
≥ 1000	44.0	72.8	74.9	75.8	77.4	77.7	78.4	78.6	78.9	79.1	79.1	79.2	79.3	79.3	79.3	79.4
≥ 900	44.2	73.1	75.2	76.3	77.9	78.4	79.0	79.2	79.5	79.8	79.8	79.9	80.0	80.0	80.0	80.1
≥ 800	44.2	73.3	75.8	77.0	78.8	79.3	80.0	80.3	80.6	80.8	80.8	80.9	81.1	81.1	81.1	81.2
≥ 700	44.5	73.7	76.2	77.5	79.5	80.1	81.1	81.7	82.0	82.2	82.3	82.5	82.5	82.5	82.5	82.6
≥ 600	44.5	74.2	76.9	78.4	82.5	81.2	82.2	82.9	83.3	83.6	83.6	83.7	83.9	83.9	83.9	84.0
≥ 500	44.5	74.4	77.2	79.0	82.1	82.9	84.6	85.4	86.0	86.5	86.7	86.8	86.9	86.9	86.9	87.0
≥ 400	44.5	74.4	77.6	79.8	83.1	84.1	86.5	87.5	88.2	88.7	88.9	89.0	89.1	89.1	89.1	89.2
≥ 300	44.5	74.4	77.6	79.8	83.5	84.8	87.7	88.9	89.9	90.6	91.0	91.1	91.4	91.4	91.4	91.5
≥ 200	44.6	74.5	77.8	80.0	83.9	85.3	88.2	90.5	91.6	92.6	93.4	93.5	94.7	94.7	94.9	95.0
≥ 100	44.6	74.5	77.8	80.0	83.9	85.3	88.3	90.7	91.8	93.2	94.2	94.5	96.2	96.4	97.2	97.6
≥ 0	44.6	74.5	77.8	80.0	83.9	85.3	88.3	90.7	91.8	93.2	94.2	94.5	96.2	96.6	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS

929

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 CLAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

125068

OTIS AFB MA

66-70,73,76-81

4AF

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0600
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	33.2	43.0	43.9	44.5	44.6	44.7	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.2	45.2	45.3
≥ 20000	34.0	44.3	45.2	45.8	45.9	46.2	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.8	46.8	46.9
≥ 18000	34.1	44.4	45.3	45.9	46.0	46.3	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.9	46.9	47.0
≥ 16000	34.1	44.4	45.3	45.9	46.0	46.3	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.9	46.9	47.0
≥ 14000	35.6	46.6	47.5	48.4	48.6	49.0	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.6	49.6	49.7
≥ 12000	36.3	47.4	48.4	49.2	49.5	49.9	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.4	50.5
≥ 10000	41.4	53.7	54.6	55.5	55.8	56.2	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.9
≥ 9000	41.5	53.8	54.7	55.6	55.9	56.3	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.9	56.9	57.0
≥ 8000	42.9	55.6	56.6	57.4	57.7	58.2	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.9
≥ 7000	43.8	56.6	57.5	58.4	58.8	59.2	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.2
≥ 6000	45.2	58.6	59.8	60.6	61.2	61.6	62.2	62.5	62.5	62.6	62.6	62.6	62.6	62.7	62.7	62.8
≥ 5000	46.8	60.8	62.3	63.2	63.8	64.3	64.8	65.2	65.2	65.3	65.3	65.3	65.3	65.5	65.5	65.6
≥ 4500	47.3	61.6	63.1	64.1	64.7	65.3	65.8	66.2	66.2	66.3	66.3	66.3	66.3	66.6	66.6	66.7
≥ 4000	47.8	62.9	64.5	65.6	66.3	67.0	67.5	68.0	68.0	68.1	68.1	68.1	68.1	68.3	68.3	68.4
≥ 3500	48.6	64.1	65.7	66.8	67.5	68.2	68.7	69.1	69.1	69.2	69.2	69.2	69.2	69.5	69.5	69.6
≥ 3000	49.5	65.4	67.2	68.5	69.4	70.0	70.6	71.1	71.1	71.2	71.2	71.2	71.2	71.4	71.4	71.5
≥ 2500	50.3	67.6	69.9	71.3	72.5	73.1	73.9	74.6	74.6	74.8	74.8	74.8	74.8	75.1	75.1	75.2
≥ 2000	51.6	70.0	72.7	74.2	75.6	76.2	77.0	77.7	77.7	78.0	78.0	78.0	78.0	78.2	78.2	78.3
≥ 1800	51.7	70.1	72.8	74.4	75.8	76.5	77.2	78.0	78.0	78.2	78.2	78.2	78.2	78.4	78.4	78.5
≥ 1500	51.9	71.3	74.1	75.7	77.1	77.7	78.6	79.4	79.4	79.6	79.6	79.6	79.6	79.8	79.8	79.9
≥ 1200	52.0	71.9	74.7	76.3	78.0	78.6	79.7	80.4	80.4	80.8	80.8	80.8	80.8	81.0	81.0	81.1
≥ 1000	52.0	72.3	75.2	76.8	78.4	79.1	80.5	81.3	81.4	81.8	81.8	81.8	81.8	82.0	82.0	82.2
≥ 900	52.0	72.3	75.2	76.9	78.6	79.4	80.8	81.5	81.6	82.0	82.0	82.0	82.0	82.3	82.3	82.4
≥ 800	52.2	72.5	75.5	77.4	79.2	80.2	81.8	82.6	82.7	83.2	83.2	83.2	83.2	83.4	83.4	83.5
≥ 700	52.2	72.6	75.6	77.7	79.8	80.8	82.4	83.2	83.4	84.1	84.1	84.1	84.1	84.3	84.3	84.4
≥ 600	52.2	72.9	75.9	78.1	80.2	81.5	83.1	84.1	84.5	85.2	85.2	85.2	85.2	85.4	85.4	85.5
≥ 500	52.4	73.2	76.3	79.0	81.2	82.8	85.1	86.2	86.7	87.4	87.5	87.7	88.0	88.1	88.1	88.2
≥ 400	52.4	73.2	76.6	79.7	82.5	84.2	86.8	88.4	89.1	90.2	90.3	90.5	90.8	90.9	90.9	91.0
≥ 300	52.4	73.2	76.6	79.7	82.5	84.5	87.3	89.7	90.5	92.2	92.5	92.8	93.0	93.1	93.1	93.2
≥ 200	52.4	73.2	76.6	79.7	82.5	84.5	87.4	89.9	91.1	92.8	93.3	93.8	94.4	94.6	94.7	94.8
≥ 100	52.4	73.2	76.6	79.7	82.5	84.5	87.5	90.0	91.3	93.2	94.0	94.6	95.3	95.5	96.7	98.0
≥ 0	52.4	73.2	76.6	79.7	82.5	84.5	87.5	90.0	91.3	93.2	94.0	94.6	95.3	95.5	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

CLIPAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

75 6R
STATION

OTIS AFB MA
STATION NAME

68-70, 73, 76-81
YEARS

MAC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.A.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING ≥ 20000	37.1 38.8	43.0 45.9	43.5 46.6	43.7 46.7	43.9 46.9	43.9 46.9	43.9 46.9	44.0 47.0	44.0 47.0	44.0 47.0	44.0 47.0	44.0 47.0	44.0 47.0	44.0 47.0	44.0 47.0	44.0 47.0
≥ 18000	39.0	46.1	46.8	46.9	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 16000	39.7	46.1	46.6	46.9	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 14000	41.7	49.4	49.0	49.1	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 12000	43.0	50.5	51.2	51.3	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 10000	46.6	54.9	55.6	55.9	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 9000	47.1	55.5	56.1	56.5	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 8000	49.4	58.5	59.1	59.5	59.7	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 7000	50.7	60.0	60.6	61.0	61.3	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 6000	52.4	61.7	62.6	62.9	63.4	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 5000	54.7	63.9	64.7	65.1	65.7	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 4500	54.3	64.4	65.3	65.6	66.2	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4000	55.6	66.2	67.2	67.6	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 3500	56.3	67.1	68.1	68.5	69.2	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 3000	58.8	70.3	71.5	71.9	72.7	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 2500	60.0	72.6	73.9	74.4	75.2	75.3	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 2000	60.9	74.9	76.3	76.9	77.8	78.1	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 1800	60.9	74.9	76.3	76.9	77.8	78.1	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 1500	61.2	76.1	77.5	78.1	79.0	79.2	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 1200	61.2	77.4	79.0	79.7	81.0	81.2	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1000	61.5	78.0	79.8	80.4	81.9	82.2	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 900	61.6	78.3	80.2	80.9	82.4	82.7	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 800	61.6	78.6	80.5	81.2	82.8	83.2	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 700	61.6	78.9	81.0	82.3	84.0	84.4	85.4	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 600	61.6	79.0	81.2	82.7	84.6	85.3	86.2	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.4	87.4
≥ 500	61.6	79.0	81.4	82.9	85.3	86.0	87.1	88.4	88.8	89.0	89.1	89.4	89.6	89.7	89.7	89.8
≥ 400	61.6	79.2	81.6	83.3	85.7	86.6	88.1	89.8	90.9	91.3	91.4	91.6	91.8	91.9	91.9	92.0
≥ 300	61.6	79.2	81.6	83.3	85.8	86.8	88.5	90.9	91.9	92.7	92.8	93.1	93.7	93.8	93.8	93.9
≥ 200	61.6	79.2	81.6	83.3	86.0	87.0	88.7	91.5	92.7	93.9	94.5	94.9	96.0	96.1	96.1	96.2
≥ 100	61.6	79.2	81.6	83.3	86.0	87.0	88.7	91.5	92.8	94.1	95.1	95.5	97.4	98.0	98.3	98.9
≥ 0	61.6	79.2	81.6	83.3	86.0	87.0	88.7	91.5	92.8	94.1	95.1	95.5	97.4	98.0	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

169

0715 AFB MA

60-70, 73, 76-81

43.

STATION

STATION NAME

YEAR 1

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

MOUSE (L.S.Y.)

CEILING (FEET)	VISIBLE STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	¾	¾
NO CEILING ≥ 20000	40.7 41.4	40.5 46.9	45.9 47.3	46.0 47.4	46.0 47.4	46.0 47.4	46.0 47.4	46.0 47.4	46.0 47.4	46.0 47.4	46.0 47.4	46.0 47.4	46.0 47.4	46.0 47.4	46.0 47.4	46.0 47.4
≥ 18000 ≥ 6500	41.9 41.9	47.0 47.0	47.4 47.4	47.5 47.5	47.5 47.5	47.5 47.5	47.5 47.5	47.5 47.5	47.5 47.5	47.5 47.5	47.5 47.5	47.5 47.5	47.5 47.5	47.5 47.5	47.5 47.5	47.5 47.5
≥ 14000 ≥ 12000	43.3 44.5	48.8 50.3	49.1 50.8	49.2 50.9	49.2 50.9	49.2 50.9	49.2 50.9	49.2 50.9	49.2 50.9	49.2 50.9	49.2 50.9	49.2 50.9	49.2 50.9	49.2 50.9	49.2 50.9	49.2 50.9
≥ 10000 ≥ 9500	47.6 47.7	54.1 54.5	54.9 55.2	55.0 55.3	55.0 55.3	55.0 55.3	55.0 55.3	55.0 55.3	55.0 55.3	55.0 55.3	55.0 55.3	55.0 55.3	55.0 55.3	55.0 55.3	55.0 55.3	55.0 55.3
≥ 8000 ≥ 7000	49.6 50.3	56.9 57.6	57.9 58.6	58.1 58.8	58.1 58.8	58.4 59.1	58.4 59.1	58.4 59.1	58.4 59.1	58.4 59.1	58.4 59.1	58.4 59.1	58.4 59.1	58.4 59.1	58.4 59.1	58.4 59.1
≥ 6000 ≥ 5000	51.6 53.7	59.2 61.5	60.2 62.4	60.4 62.6	60.4 62.6	60.7 63.0	60.7 63.0	60.7 63.0	60.7 63.0	60.7 63.0	60.7 63.0	60.7 63.0	60.7 63.0	60.7 63.0	60.7 63.0	60.7 63.0
≥ 4500 ≥ 4000	54.6 57.3	62.4 65.6	63.4 66.6	63.6 67.0	63.6 67.0	63.9 67.4	63.9 67.4	63.9 67.4	63.9 67.4	63.9 67.4	63.9 67.4	63.9 67.4	63.9 67.4	63.9 67.4	63.9 67.4	63.9 67.4
≥ 3500 ≥ 3000	55.3 62.6	67.4 72.4	68.5 73.6	68.8 74.1	68.8 74.1	69.2 74.5	69.2 74.6	69.3 74.6	69.3 74.6	69.3 74.6	69.3 74.6	69.3 74.6	69.3 74.6	69.3 74.6	69.3 74.6	69.3 74.6
≥ 2500 ≥ 2000	63.6 64.9	74.6 77.1	75.9 79.5	76.3 78.9	76.4 79.2	76.9 79.7	77.0 79.8	77.0 79.8	77.0 79.8	77.0 79.8	77.0 79.8	77.0 79.8	77.0 79.8	77.0 79.8	77.0 79.8	77.0 79.8
≥ 1800 ≥ 1500	65.1 65.4	77.4 78.9	78.8 80.7	79.2 81.2	79.7 81.7	80.1 82.1	80.2 82.2	80.2 82.3	80.2 82.3	80.2 82.3	80.2 82.3	80.2 82.3	80.2 82.3	80.2 82.3	80.2 82.3	80.2 82.3
≥ 1200 ≥ 1000	65.6 65.6	79.5 80.2	81.4 82.1	81.8 82.7	82.5 83.4	83.1 84.2	83.2 84.6	83.4 84.8	83.4 84.9	83.4 84.9	83.4 84.9	83.4 84.9	83.4 84.9	83.4 84.9	83.4 84.9	83.4 84.9
≥ 900 ≥ 800	65.6 65.6	80.4 80.7	82.5 82.8	83.0 83.6	83.7 84.5	84.5 85.3	85.0 85.8	85.3 86.0	85.4 86.1	85.4 86.1	85.4 86.1	85.4 86.1	85.4 86.1	85.4 86.1	85.4 86.1	85.4 86.1
≥ 700 ≥ 600	65.6 65.6	80.9 81.3	83.2 83.7	84.3 85.3	85.1 86.7	85.9 87.4	86.4 87.9	86.9 88.3	86.9 88.5	86.9 88.5	86.9 88.5	86.9 88.5	86.9 88.5	86.9 88.5	86.9 88.5	86.9 88.5
≥ 500 ≥ 400	65.6 65.6	81.5 81.6	84.1 84.3	85.7 86.0	87.5 88.2	88.4 89.2	89.0 91.0	89.3 92.1	89.6 92.4	89.7 92.6	90.2 93.1	90.4 93.3	90.5 93.4	90.6 93.5	90.6 93.5	90.6 93.5
≥ 300 ≥ 200	65.6 65.6	81.7 81.7	84.4 84.4	86.2 86.3	88.6 88.7	90.0 90.1	92.1 92.2	93.6 93.9	94.4 94.1	95.3 95.3	95.7 96.9	95.9 97.3	96.1 97.6	96.1 97.6	96.1 97.6	96.1 97.6
≥ 100 0	65.6 65.6	81.8 81.8	84.5 84.5	86.4 86.4	88.8 88.8	90.2 90.2	92.4 92.4	94.0 94.0	94.2 94.2	95.5 95.5	97.0 97.0	97.5 97.5	98.5 98.5	98.8 98.8	99.6 99.6	99.9 100.0

TOTAL NUMBER OF OBSERVATIONS

929

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 68

OTIS AFB MA

68-70,73,76-81

4A-

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/20	≥ 0
NO CEILING ≥ 20000	39.2	46.2	47.1	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 18000 ≥ 16000	41.4	48.6	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 14000 ≥ 12000	42.9	50.5	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 10000 ≥ 9000	43.7	51.6	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 8000 ≥ 7000	45.0	54.7	55.6	55.6	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 6000 ≥ 5000	46.2	54.9	55.9	55.9	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 4500 ≥ 4000	48.4	58.1	59.1	59.2	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 3500 ≥ 3000	48.7	58.4	59.5	59.8	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 2500 ≥ 2000	50.0	59.7	60.8	61.2	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 1800 ≥ 1500	52.1	62.3	63.4	64.0	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 1200 ≥ 1000	53.1	63.3	64.5	65.1	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 900 ≥ 800	55.6	66.3	67.7	68.3	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 700 ≥ 600	57.3	68.3	69.8	70.4	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 500 ≥ 400	58.2	71.8	73.3	74.0	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 300 ≥ 200	61.3	74.5	76.1	77.0	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 100 ≥ 0	61.8	76.7	78.5	79.5	80.3	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 0	62.0	77.1	78.9	79.9	80.8	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 0	62.6	78.0	80.0	81.0	81.8	82.3	82.3	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 0	62.8	78.5	80.6	81.6	82.7	83.1	83.2	83.4	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 0	62.9	78.8	81.0	82.0	83.2	84.0	84.2	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 0	62.9	79.1	81.5	82.6	83.8	84.5	84.7	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 0	63.0	80.0	82.6	83.7	84.8	85.8	86.1	86.3	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 0	63.1	80.3	83.0	84.4	85.6	86.8	87.1	87.6	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 0	63.2	80.3	83.4	84.9	86.2	87.4	87.7	88.5	88.8	89.0	89.1	89.2	89.2	89.2	89.2	89.2
≥ 0	63.1	80.5	83.8	85.6	87.0	88.2	88.8	90.0	90.4	90.6	90.9	91.0	91.1	91.1	91.1	91.1
≥ 0	63.1	80.8	84.1	86.0	87.6	88.9	89.6	91.1	91.5	91.9	92.2	92.3	92.4	92.4	92.4	92.4
≥ 0	63.1	80.9	84.2	86.1	88.2	89.7	90.4	92.2	92.7	93.3	93.8	93.9	94.0	94.1	94.1	94.1
≥ 0	63.1	80.9	84.2	86.2	88.4	90.0	90.8	93.0	94.1	95.1	95.8	95.9	96.6	96.7	97.1	97.1
≥ 0	63.1	80.9	84.2	86.2	88.4	90.0	90.8	93.4	94.6	95.7	96.8	96.9	98.2	98.3	99.5	99.7
≥ 0	63.1	80.9	84.2	86.2	88.4	90.0	90.8	93.4	94.6	95.7	96.8	96.9	98.2	98.3	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

2
 FEDERAL CLIMATOLOGY BRANCH
 AFM ETAC
 AIR WEATHER SERVICE/MAF

CEILING VERSUS VISIBILITY

105062

OTIS AFB MA

68-70, 73, 76-81

MAF

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-2000
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING	39.4	43.5	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 20000	36.6	50.7	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 18000	36.6	50.7	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 16000	36.6	50.7	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000	37.7	52.5	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 12000	37.7	52.5	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 10000	37.7	52.5	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 9000	39.7	56.8	57.6	57.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 8000	41.6	59.2	60.1	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 7000	41.6	59.2	60.1	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 6000	42.5	61.4	62.3	62.3	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 5000	44.6	64.5	65.4	65.4	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 4500	44.6	64.5	65.4	65.4	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 4000	46.4	67.8	69.2	69.2	70.2	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 3500	47.3	69.1	70.5	70.6	71.6	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 3000	49.1	71.4	72.8	72.9	73.8	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2500	50.2	73.5	75.0	75.2	76.5	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 2000	50.9	74.8	76.5	77.0	78.4	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 1800	51.1	75.1	77.0	77.4	78.8	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1500	51.1	75.9	77.7	78.1	79.7	79.9	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 1200	51.2	76.7	78.6	79.1	80.7	80.9	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8
≥ 1000	51.2	77.0	79.0	79.7	81.3	81.5	82.2	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6
≥ 900	51.2	77.0	79.0	79.7	81.3	81.5	82.3	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7
≥ 800	51.2	77.2	79.2	79.9	81.6	81.9	83.2	83.5	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7
≥ 700	51.3	77.6	79.9	80.8	83.1	83.5	85.0	85.5	85.6	85.6	85.9	85.9	85.9	85.9	85.9	85.9
≥ 600	51.5	78.3	80.6	81.8	84.4	84.9	86.7	87.2	87.6	87.8	88.3	88.4	88.4	88.4	88.4	88.4
≥ 500	51.5	78.5	81.2	82.3	85.4	86.0	87.9	88.5	89.0	89.2	89.9	90.0	90.0	90.0	90.0	90.0
≥ 400	51.5	78.9	81.6	82.9	86.1	86.9	88.8	89.7	90.4	90.6	91.3	91.4	91.4	91.4	91.4	91.4
≥ 300	51.5	78.9	81.6	83.0	86.3	87.1	89.3	90.4	91.3	91.6	92.2	92.4	92.4	92.4	92.4	92.4
≥ 200	51.5	78.9	81.8	83.3	86.8	87.5	89.9	91.6	92.9	93.8	94.5	94.6	94.8	94.8	95.0	95.0
≥ 100	51.5	78.9	81.8	83.3	86.8	87.5	89.9	91.6	92.9	94.0	95.5	95.6	97.1	97.1	98.0	98.3
≥ 0	51.5	78.9	81.8	83.3	86.8	87.5	89.9	91.6	92.9	94.0	95.5	95.6	97.1	97.1	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 929

2

65

68-70, 73, 76-81

42

STATION

STATION NAME

YEARS

MONTH

10-2300
HOURS (L.S.T.)

FEET (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/20	≥ 0
NO FEET ≥ 20000	34.1	51.2	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.8	51.8	51.8	51.8
≥ 18000	34.3	51.9	52.1	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.6	52.6	52.6	52.6
≥ 16000	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 14000	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 12000	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 10000	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 8000	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 6000	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 5000	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 4500	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 4000	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 3500	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 3000	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 2500	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 2000	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 1800	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 1600	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 1400	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 1200	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 1000	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 900	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 800	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 700	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 600	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 500	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 400	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 300	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 200	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 100	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 0	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9

TOTAL NUMBER OF OBSERVATIONS

529

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

6-76-

LTIS AFB MA

68-72,73,76-81

YEAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 0	≥ 0
NO CEILING	34.3	45.6	47.2	47.4	47.5	47.5	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.8
≥ 2000	35.4	46.1	48.7	48.9	49.0	49.1	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.4
≥ 1800	35.4	48.2	48.8	49.0	49.1	49.2	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.5	49.5	49.5
≥ 1600	35.3	48.2	48.8	49.0	49.1	49.2	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.5	49.5	49.5
≥ 1400	37.1	49.8	50.4	50.7	50.8	50.9	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.2	51.2	51.3
≥ 1200	37.8	51.7	51.4	51.6	51.8	51.9	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.2
≥ 1000	40.7	54.4	55.2	55.5	55.7	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.2
≥ 900	40.8	54.5	55.6	55.9	56.2	56.3	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 800	42.5	57.4	58.3	58.6	58.9	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.3	59.3	59.4
≥ 700	43.2	58.4	59.3	59.6	60.0	60.1	60.2	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.5
≥ 600	44.5	61.1	61.3	61.4	61.9	62.0	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.5
≥ 500	45.3	62.7	63.7	64.2	64.6	64.8	64.9	65.0	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.3
≥ 450	46.4	63.3	64.4	64.9	65.4	65.5	65.7	65.8	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.1
≥ 400	48.4	65.7	66.8	67.3	67.9	68.1	68.3	68.4	68.4	68.5	68.5	68.5	68.5	68.6	68.6	68.7
≥ 350	49.4	67.1	68.3	68.9	69.4	69.7	69.9	70.0	70.0	70.1	70.1	70.1	70.1	70.2	70.2	70.2
≥ 300	51.3	67.7	71.0	71.6	72.2	72.5	72.7	72.8	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.1
≥ 250	52.5	72.0	73.5	74.1	74.9	75.2	75.4	75.6	75.6	75.7	75.7	75.7	75.7	75.8	75.8	75.9
≥ 200	53.2	73.8	75.5	76.3	77.2	77.5	77.8	78.0	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.3
≥ 180	53.3	74.1	75.8	76.6	77.5	77.8	78.2	78.4	78.4	78.5	78.5	78.5	78.5	78.6	78.6	78.7
≥ 150	53.6	75.0	76.9	77.6	78.7	79.0	79.5	79.8	79.8	79.9	79.9	79.9	79.9	80.0	80.0	80.1
≥ 120	53.7	75.7	77.6	78.4	79.7	80.0	80.6	80.9	80.9	81.0	81.0	81.1	81.1	81.1	81.1	81.2
≥ 100	53.4	76.2	78.3	79.1	80.5	81.0	81.6	81.9	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.3
≥ 90	53.9	76.4	78.5	79.5	80.9	81.4	82.1	82.4	82.5	82.6	82.6	82.7	82.7	82.7	82.7	82.8
≥ 80	54.0	76.8	79.0	80.0	81.6	82.2	83.0	83.3	83.5	83.6	83.6	83.6	83.6	83.7	83.7	83.8
≥ 70	54.0	77.1	79.4	80.7	82.5	83.1	84.1	84.6	84.8	85.0	85.0	85.1	85.1	85.1	85.1	85.2
≥ 60	54.1	77.4	79.8	81.3	83.4	84.2	85.2	85.9	86.2	86.4	86.5	86.5	86.5	86.6	86.6	86.7
≥ 50	54.1	77.7	80.3	81.9	84.6	85.4	86.8	87.7	88.1	88.4	88.6	88.8	88.8	88.9	88.9	89.1
≥ 40	54.1	77.9	80.6	82.5	85.4	86.4	88.2	89.5	90.1	90.6	90.8	90.9	91.1	91.1	91.1	91.3
≥ 30	54.1	77.9	80.7	82.6	85.8	86.9	89.0	90.7	91.4	92.1	92.6	92.7	93.0	93.0	93.1	93.2
≥ 20	54.1	78.0	81.8	82.7	86.0	87.2	89.4	91.5	92.4	93.5	94.2	94.4	95.1	95.2	95.4	95.5
≥ 10	54.1	78.0	80.8	82.7	86.0	87.2	89.5	91.6	92.6	94.0	95.1	95.5	96.9	97.1	97.8	98.4
≥ 0	54.1	78.0	80.8	82.7	86.0	87.2	89.5	91.6	92.6	94.0	95.1	95.5	96.9	97.2	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 7435

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LOCAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 65 OTIS AFB MA

68-70,73,76-81

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 0	≥ 0	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
≥ 10000	35.3	55.3	56.4	56.4	56.8	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.2
≥ 8000	35.4	56.6	57.3	57.7	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.4	58.6
≥ 6000	35.4	56.6	57.3	57.7	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.4	58.6
≥ 4500	36.3	58.1	58.7	59.2	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.8	60.1
≥ 3000	36.3	58.3	59.0	59.4	59.8	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.3
≥ 2000	37.5	60.2	60.9	61.4	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.1	62.1	62.3
≥ 1500	37.6	60.3	61.0	61.5	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2	62.4
≥ 1000	37.8	62.7	63.7	64.3	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	65.0	65.0	65.2
≥ 800	39.2	63.6	64.7	65.3	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.3
≥ 600	39.8	64.7	65.9	66.4	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.4
≥ 500	42.1	67.6	68.7	69.6	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.6
≥ 4500	42.3	67.9	69.0	69.9	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.7	71.0
≥ 4000	43.2	69.4	70.6	71.5	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.6
≥ 3500	43.2	70.3	71.5	72.4	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.6
≥ 3000	44.4	72.1	73.3	74.2	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.4
≥ 2500	44.4	72.9	74.1	75.0	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.3
≥ 2000	44.4	73.5	74.7	75.6	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9	77.1
≥ 1800	44.4	73.5	74.7	75.6	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9	77.1
≥ 1500	45.1	74.5	75.8	76.6	77.6	77.6	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.1	78.1	78.3
≥ 1200	45.6	75.3	76.5	77.4	78.4	78.4	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.0	79.2
≥ 1000	46.1	76.4	78.0	78.9	79.9	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.6
≥ 900	46.1	76.4	78.1	79.3	80.3	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9	80.9	81.1
≥ 800	46.2	76.6	78.9	80.1	81.3	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	82.1
≥ 700	46.2	77.1	79.3	80.5	81.9	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.6
≥ 600	46.2	77.4	80.0	81.2	82.6	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.4
≥ 500	46.2	77.8	80.5	81.9	84.2	84.5	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.4
≥ 400	46.3	79.1	82.1	83.5	86.2	86.9	87.3	87.5	87.8	87.8	87.8	87.8	87.9	88.0	88.0	88.2
≥ 300	46.3	79.1	82.1	83.9	87.0	87.9	88.7	89.5	90.2	90.4	90.7	90.9	91.1	91.1	91.2	91.5
≥ 200	46.3	79.1	82.1	83.9	87.3	88.2	89.7	91.0	91.8	92.4	93.2	93.4	93.9	93.9	94.0	94.3
≥ 100	46.3	79.1	82.1	83.9	87.3	88.3	89.8	91.2	92.0	93.8	94.9	95.1	96.1	96.2	97.3	98.3
≥ 0	46.3	79.1	82.1	83.9	87.3	88.3	89.8	91.2	92.0	93.8	94.9	95.1	96.2	96.3	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 899

GENERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	34.7	51.9	52.4	53.6	53.9	53.9	54.0	54.2	54.2	54.3	54.3	54.3	54.4	54.6	54.7	54.8
≥ 20000	35.1	53.2	53.8	54.9	55.3	55.3	55.4	55.8	55.8	55.9	55.9	55.9	56.0	56.1	56.2	56.3
≥ 18000	35.1	53.2	53.8	54.9	55.3	55.3	55.4	55.8	55.8	55.9	55.9	55.9	56.0	56.1	56.2	56.3
≥ 16000	35.1	53.2	53.8	54.9	55.3	55.3	55.4	55.8	55.8	55.9	55.9	55.9	56.0	56.1	56.2	56.3
≥ 14000	36.3	54.7	55.2	56.3	56.8	56.8	56.9	57.2	57.2	57.3	57.3	57.3	57.4	57.6	57.7	57.9
≥ 12000	36.6	55.7	56.2	57.3	57.8	57.8	57.9	58.2	58.2	58.3	58.3	58.3	58.4	58.6	58.7	58.8
≥ 10000	39.1	58.9	59.7	60.8	61.2	61.2	61.4	61.8	61.8	62.1	62.1	62.1	62.2	62.3	62.4	62.6
≥ 9000	39.2	59.3	60.1	61.2	61.7	61.7	61.9	62.2	62.2	62.6	62.6	62.6	62.7	62.8	62.9	63.0
≥ 8000	40.0	61.0	61.9	63.0	63.4	63.4	63.7	64.0	64.0	64.4	64.4	64.4	64.7	64.8	64.9	65.0
≥ 7000	40.9	62.7	63.6	64.7	65.2	65.2	65.4	65.8	65.8	66.2	66.2	66.2	66.4	66.6	66.7	66.8
≥ 6000	41.4	64.2	65.1	66.2	66.8	66.9	67.1	67.4	67.4	67.9	67.9	67.9	68.1	68.2	68.3	68.4
≥ 5000	42.6	65.9	66.9	68.2	68.8	68.9	69.1	69.4	69.4	69.9	69.9	69.9	70.1	70.2	70.3	70.4
≥ 4500	43.4	66.9	67.9	69.2	69.8	69.9	70.1	70.4	70.4	71.0	71.0	71.0	71.2	71.3	71.4	71.6
≥ 4000	44.3	68.1	69.1	70.4	71.1	71.2	71.4	71.8	71.8	72.3	72.3	72.3	72.6	72.7	72.8	72.9
≥ 3500	44.6	68.7	69.7	71.0	71.7	71.8	72.0	72.3	72.3	72.9	72.9	72.9	73.1	73.2	73.3	73.4
≥ 3000	45.4	70.7	71.7	73.0	73.7	73.8	74.0	74.3	74.3	74.9	74.9	74.9	75.1	75.2	75.3	75.4
≥ 2500	45.6	71.1	72.1	73.6	74.2	74.3	74.6	74.9	74.9	75.4	75.4	75.4	75.7	75.8	75.9	76.0
≥ 2000	46.2	72.9	73.9	75.6	76.2	76.3	76.6	76.9	76.9	77.4	77.4	77.4	77.7	77.8	77.9	78.0
≥ 1800	46.3	73.3	74.3	76.0	76.7	76.8	77.0	77.3	77.3	77.9	77.9	77.9	78.1	78.2	78.3	78.4
≥ 1500	46.3	73.3	74.4	76.1	76.9	77.0	77.2	77.6	77.6	78.1	78.1	78.1	78.3	78.4	78.6	78.7
≥ 1200	46.3	73.8	75.1	76.8	77.7	77.8	78.1	78.4	78.4	79.0	79.0	79.0	79.2	79.3	79.4	79.6
≥ 1000	46.4	74.3	75.9	77.7	78.7	78.8	79.1	79.4	79.4	80.0	80.0	80.0	80.2	80.3	80.4	80.6
≥ 900	46.4	74.3	76.1	78.0	79.0	79.1	79.4	79.8	79.8	80.3	80.3	80.3	80.6	80.7	80.8	80.9
≥ 800	46.6	74.8	76.7	78.8	79.9	80.0	80.4	80.8	80.8	81.3	81.3	81.3	81.6	81.7	81.8	81.9
≥ 700	46.6	74.9	76.8	78.9	80.0	80.1	80.8	81.2	81.2	81.8	81.8	81.8	82.0	82.1	82.2	82.3
≥ 600	46.6	75.2	77.2	79.3	80.4	80.6	81.3	81.8	81.8	82.3	82.3	82.3	82.6	82.7	82.8	82.9
≥ 500	46.3	76.3	78.6	80.9	82.3	82.7	83.9	84.4	84.4	85.0	85.0	85.0	85.2	85.3	85.4	85.6
≥ 400	46.4	76.7	79.0	81.4	83.3	83.9	86.0	86.8	86.8	87.7	87.7	87.7	87.9	88.0	88.1	88.2
≥ 300	45.3	76.8	79.2	81.9	84.6	85.3	88.2	89.9	90.1	91.0	91.1	91.1	91.3	91.7	91.8	92.0
≥ 200	46.3	76.9	79.7	82.3	85.1	85.9	89.0	90.8	91.4	92.8	93.2	93.2	93.8	94.1	94.2	94.6
≥ 100	46.3	76.9	79.7	82.3	85.2	86.0	89.1	91.1	91.8	93.3	94.0	94.0	95.8	96.1	97.0	98.3
≥ 0	46.3	76.9	79.7	82.3	85.2	86.0	89.1	91.1	91.8	93.3	94.0	94.0	95.8	96.1	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

705 68

OTIS AFB MA

68-70,73,76-81

AP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-7600
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	42.4	50.9	51.8	52.9	53.3	53.3	53.3	53.4	53.6	53.7	53.7	53.7	54.0	54.0	54.0	54.0
≥ 20000	43.4	52.8	53.7	54.8	55.2	55.2	55.2	55.3	55.4	55.6	55.6	55.6	55.9	55.9	55.9	55.9
≥ 18000	43.4	53.0	53.9	55.0	55.4	55.4	55.4	55.6	55.7	55.8	55.8	55.8	56.1	56.1	56.1	56.1
≥ 16000	43.4	53.0	53.9	55.0	55.4	55.4	55.4	55.6	55.7	55.8	55.8	55.8	56.1	56.1	56.1	56.1
≥ 14000	44.1	53.9	54.8	55.9	56.3	56.3	56.3	56.4	56.6	56.7	56.7	56.7	57.0	57.0	57.0	57.0
≥ 12000	44.4	54.3	55.4	56.7	57.1	57.1	57.1	57.2	57.3	57.4	57.4	57.4	57.8	57.8	57.8	57.8
≥ 10000	47.7	58.6	59.8	61.2	61.7	61.7	61.7	61.8	61.9	62.0	62.0	62.0	62.3	62.3	62.3	62.3
≥ 9000	48.3	59.6	60.9	62.3	62.8	62.8	62.8	62.9	63.0	63.1	63.1	63.1	63.4	63.4	63.4	63.4
≥ 8000	50.6	62.1	63.6	65.1	65.6	65.6	65.6	65.7	65.8	65.9	65.9	65.9	66.2	66.2	66.2	66.2
≥ 7000	51.6	63.3	64.8	66.3	66.9	66.9	66.9	67.0	67.1	67.2	67.2	67.2	67.6	67.6	67.6	67.6
≥ 6000	53.0	64.9	66.3	67.9	68.4	68.4	68.4	68.6	68.7	68.8	68.8	68.8	69.1	69.1	69.1	69.1
≥ 5000	55.1	67.4	68.9	70.7	71.3	71.3	71.3	71.4	71.6	71.7	71.7	71.7	72.0	72.0	72.0	72.0
≥ 4500	56.4	69.0	70.6	72.3	73.0	73.0	73.0	73.1	73.2	73.3	73.3	73.3	73.7	73.7	73.7	73.7
≥ 4000	57.2	70.2	71.9	73.7	74.3	74.3	74.3	74.4	74.6	74.7	74.7	74.7	75.0	75.0	75.0	75.0
IV 3500	57.7	70.7	72.3	74.1	74.8	74.8	74.8	74.9	75.0	75.1	75.1	75.1	75.4	75.4	75.4	75.4
IV 3000	57.7	70.8	72.4	74.3	75.0	75.0	75.0	75.1	75.2	75.3	75.3	75.3	75.7	75.7	75.7	75.7
IV 2500	58.4	71.7	73.6	75.6	76.2	76.2	76.2	76.3	76.4	76.6	76.6	76.6	76.9	76.9	76.9	76.9
IV 2000	59.4	73.0	74.9	77.0	77.8	78.0	78.1	78.2	78.3	78.4	78.4	78.4	78.8	78.8	78.8	78.8
IV 1800	59.6	73.1	75.0	77.1	77.9	78.1	78.2	78.3	78.4	78.6	78.6	78.6	78.9	78.9	78.9	78.9
IV 1500	60.3	74.4	76.3	78.4	79.3	79.6	79.7	80.0	80.1	80.3	80.3	80.3	80.7	80.7	80.7	80.7
≥ 1200	60.9	75.4	77.3	79.4	80.4	80.7	80.8	81.1	81.2	81.4	81.4	81.4	81.8	81.8	81.8	81.8
IV 1000	61.0	76.2	78.2	80.4	81.4	81.8	81.9	82.2	82.3	82.6	82.6	82.6	82.9	82.9	82.9	82.9
IV 900	61.0	76.3	78.3	80.6	81.6	81.9	82.0	82.3	82.4	82.7	82.7	82.7	83.0	83.0	83.0	83.0
IV 800	61.1	76.6	78.6	80.9	82.0	82.3	82.6	82.9	83.0	83.2	83.2	83.2	83.6	83.6	83.6	83.6
IV 700	61.2	76.8	78.9	81.3	82.8	83.1	83.4	83.8	83.9	84.1	84.1	84.1	84.4	84.4	84.4	84.4
IV 600	61.2	76.9	79.1	81.8	83.6	83.9	84.3	85.0	85.1	85.3	85.3	85.3	85.7	85.7	85.7	85.7
IV 500	61.8	77.3	79.9	83.0	85.4	86.1	86.7	87.4	87.9	88.1	88.1	88.1	88.4	88.4	88.4	88.4
IV 400	61.6	77.7	80.3	83.7	86.3	87.1	88.1	89.6	90.2	90.7	90.7	90.7	91.0	91.1	91.1	91.1
IV 300	61.6	77.7	80.3	83.7	86.9	87.8	89.1	91.6	92.4	93.0	93.1	93.1	93.6	93.7	93.9	93.9
IV 200	61.6	77.7	80.3	83.7	87.2	88.1	89.6	92.7	93.7	95.0	95.3	95.3	96.0	96.3	96.7	96.7
IV 100	61.6	77.7	80.3	83.8	87.3	88.2	89.7	92.9	93.9	95.3	95.8	95.9	97.1	97.4	98.7	99.4
IV 0	61.6	77.7	80.3	83.8	87.3	88.2	89.7	92.9	93.9	95.3	95.8	95.9	97.1	97.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725068

OTIS AFB MA

68-70, 73, 76-81

APD

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	49.1	54.4	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 20000	50.1	55.7	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 18000	50.1	55.7	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 16000	50.1	55.7	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 14000	51.9	57.9	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 12000	52.6	59.0	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 10000	55.4	62.6	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 9000	56.2	63.7	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 8000	58.0	66.4	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 7000	58.9	67.4	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 6000	60.3	69.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 5000	62.0	70.7	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4500	63.3	72.2	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4000	64.2	73.4	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3500	64.9	74.2	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 3000	66.1	75.7	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 2500	66.8	76.7	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2000	67.7	78.2	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 1800	68.2	78.9	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 1500	68.9	79.6	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1200	69.9	81.1	82.6	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1000	70.4	82.4	84.1	84.2	84.4	84.4	84.4	84.4	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7
≥ 900	70.6	82.9	84.6	84.8	85.0	85.0	85.0	85.0	85.0	85.1	85.2	85.2	85.2	85.2	85.2	85.2
≥ 800	70.9	83.3	85.2	85.6	85.8	85.8	85.9	85.9	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2
≥ 700	71.3	83.9	85.9	86.3	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2
≥ 600	71.7	84.9	87.0	87.6	88.0	88.1	88.3	88.6	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9
≥ 500	71.9	85.7	88.1	88.9	89.4	89.6	89.9	90.2	90.3	90.4	90.6	90.6	90.6	90.6	90.6	90.6
≥ 400	72.0	86.0	88.6	89.3	89.9	90.7	91.4	92.4	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1
≥ 300	72.0	86.0	88.6	89.3	90.0	91.1	92.1	93.9	94.3	94.9	95.2	95.2	95.3	95.3	95.3	95.3
≥ 200	72.1	86.0	88.6	89.4	90.2	91.4	92.6	94.8	95.2	96.6	97.6	97.6	97.9	98.1	98.1	98.1
≥ 100	72.1	86.0	88.6	89.4	90.2	91.4	92.6	94.8	95.2	96.7	98.0	98.0	98.9	99.2	99.6	99.7
≥ 0	72.0	86.0	88.6	89.4	90.2	91.4	92.6	94.8	95.2	96.7	98.0	98.0	98.9	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1968

OTIS AFB MA

68-70, 73, 76-81

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	47.7	54.1	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 20000	49.4	56.1	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 18000	49.4	56.1	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 16000	49.4	56.1	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 14000	51.1	57.8	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 12000	51.3	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 10000	53.3	61.8	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 9000	54.7	62.7	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 8000	56.1	67.4	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 7000	58.7	68.4	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 6000	60.3	70.2	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 5000	62.3	72.5	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4500	63.3	73.5	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 4000	65.1	75.8	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 3500	66.1	77.0	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 3000	69.1	79.1	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500	69.1	80.1	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 2000	70.3	82.1	83.0	83.2	83.3	83.4	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 1800	71.1	82.9	83.8	84.0	84.1	84.3	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1500	71.5	83.9	84.8	85.1	85.2	85.4	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1200	72.3	84.9	85.8	86.1	86.2	86.4	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1000	73.1	86.2	87.1	87.4	87.7	87.9	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 900	73.2	86.7	87.7	88.0	88.2	88.4	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 800	73.6	87.1	88.3	88.8	89.2	89.4	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 700	74.0	87.8	89.0	89.5	90.1	90.3	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 600	74.1	87.9	89.1	89.8	90.3	90.5	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 500	74.2	88.3	89.9	90.7	91.8	92.2	92.5	92.9	92.9	93.0	93.0	93.0	93.1	93.1	93.1	93.1
≥ 400	74.2	88.5	90.2	91.7	93.0	93.7	94.2	94.5	94.8	94.9	94.9	94.9	95.1	95.1	95.1	95.1
≥ 300	74.2	88.5	90.2	91.7	93.5	94.2	95.0	95.3	95.7	96.2	96.2	96.2	96.7	96.7	96.8	96.8
≥ 200	74.2	88.5	90.2	91.7	93.7	94.3	95.3	95.9	96.6	97.9	98.1	98.1	98.7	98.7	98.8	98.8
≥ 100	74.2	88.5	90.2	91.7	93.7	94.3	95.3	95.9	96.6	98.1	98.4	98.4	99.2	99.2	99.8	99.9
≥ 0	74.2	88.5	90.2	91.7	93.7	94.3	95.3	95.9	96.6	98.1	98.4	98.4	99.2	99.2	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

100068

OTIS AFB MA

68-70,73,76-81

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	45.2	51.9	52.3	52.5	52.6	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000	47.6	55.2	55.7	56.0	56.1	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 18000	47.6	55.2	55.7	56.0	56.1	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 16000	47.6	55.2	55.7	56.0	56.1	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 14000	48.3	56.2	56.7	57.0	57.1	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000	49.6	57.6	58.2	58.4	58.5	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 10000	52.4	62.1	62.6	62.8	63.0	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 9000	52.7	62.6	63.2	63.4	63.5	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 8000	54.3	65.6	66.3	66.5	66.6	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 7000	56.3	67.5	68.2	68.4	68.5	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 6000	57.8	69.5	70.2	70.4	70.5	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 5000	59.2	71.6	72.5	72.7	72.9	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 4500	60.2	72.7	73.6	73.9	74.0	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 4000	62.2	75.2	76.3	76.6	77.0	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3500	63.1	76.3	77.4	77.9	78.2	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 3000	64.6	78.4	79.5	80.0	80.3	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 2500	66.0	80.2	81.3	81.8	82.2	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 2000	66.7	81.2	82.3	82.9	83.3	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 1800	67.2	81.8	82.9	83.4	83.9	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1500	67.7	83.0	84.2	84.8	85.5	85.7	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1200	68.5	84.0	85.3	86.1	86.9	87.0	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1000	67.7	84.6	86.1	86.9	87.8	87.9	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 900	69.2	85.0	86.4	87.2	88.2	88.4	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 800	69.4	85.5	87.1	87.9	88.9	89.1	89.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 700	69.7	86.2	88.0	88.8	89.9	90.5	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 600	69.7	86.8	88.5	89.3	90.7	91.3	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 500	69.9	87.0	88.9	89.9	91.3	92.1	92.8	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 400	70.0	87.4	89.4	90.4	92.1	93.0	94.1	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 300	70.0	87.4	89.4	90.4	92.1	93.1	94.7	96.2	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	70.0	87.4	89.4	90.4	92.1	93.2	94.9	96.8	97.1	97.7	98.0	98.0	98.1	98.2	98.2	98.2
≥ 100	70.0	87.4	89.4	90.4	92.1	93.2	94.9	96.9	97.2	98.1	98.4	98.4	99.2	99.3	99.8	100.0
≥ 0	70.0	87.4	89.4	90.4	92.1	93.2	94.9	96.9	97.2	98.1	98.4	98.4	99.2	99.3	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 899

2
CLIPAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

FILE 68

OTIS AFB MA

68-70, 73, 76-81

APD

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/10	≥1/8	≥0
NO CEILING	37.2	50.6	57.7	50.8	51.2	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5
≥ 20000	35.7	53.7	53.9	54.2	54.5	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8
≥ 18000	38.7	53.8	54.1	54.3	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9	54.9
≥ 16000	36.7	53.8	54.1	54.3	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9	54.9
≥ 14000	39.9	54.6	54.8	55.1	55.4	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.7
≥ 12000	40.5	55.8	56.1	56.3	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.0	57.0
≥ 10000	42.4	57.0	59.2	59.4	59.7	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.1	60.1
≥ 9000	42.7	59.4	59.6	59.8	60.2	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.5	60.5	60.5
≥ 8000	45.1	63.2	63.4	63.6	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3
≥ 7000	46.3	65.4	65.6	65.9	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.5	66.5	66.5
≥ 6000	48.7	68.0	68.2	68.4	68.7	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1
≥ 5000	50.3	69.9	70.4	70.6	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.3	71.3	71.3
≥ 4500	50.4	70.3	70.9	71.1	71.4	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7
≥ 4000	51.3	71.6	72.4	72.6	73.2	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.7	73.7	73.7
≥ 3500	51.9	72.5	73.3	73.5	74.1	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.6
≥ 3000	52.6	73.5	74.4	74.6	75.2	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.8	75.8	75.8
≥ 2500	53.3	74.7	75.9	76.2	76.8	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.3	77.3
≥ 2000	54.5	76.9	78.0	78.3	79.0	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5
≥ 1800	54.6	77.1	78.2	78.5	79.2	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.8	79.8	79.8
≥ 1500	55.4	78.3	79.4	79.8	80.4	80.6	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.1	81.1	81.1
≥ 1200	56.7	79.9	81.1	81.4	82.1	82.3	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.8	82.8	82.8
≥ 1000	56.1	80.4	81.9	82.2	82.9	83.1	83.3	83.3	83.3	83.4	83.4	83.4	83.5	83.5	83.5	83.5
≥ 900	56.1	81.0	82.8	83.1	83.9	84.2	84.4	84.4	84.4	84.5	84.5	84.5	84.6	84.6	84.6	84.6
≥ 800	56.1	81.2	83.2	83.5	84.5	85.0	85.2	85.2	85.2	85.3	85.3	85.3	85.4	85.4	85.4	85.4
≥ 700	56.2	81.4	83.4	84.0	85.0	85.8	86.2	86.2	86.2	86.3	86.3	86.3	86.4	86.4	86.4	86.4
≥ 600	56.4	82.3	84.5	85.2	86.3	87.1	87.8	87.9	87.9	88.0	88.0	88.0	88.1	88.1	88.1	88.1
≥ 500	56.7	83.2	85.5	86.4	87.9	88.7	89.7	89.9	90.2	90.5	90.5	90.5	90.7	90.7	90.7	90.7
≥ 400	56.7	83.4	86.4	87.3	89.3	90.5	92.3	92.8	93.1	93.4	93.4	93.4	93.5	93.5	93.5	93.5
≥ 300	56.7	83.4	86.4	87.4	89.7	90.9	93.3	94.1	94.5	95.2	95.2	95.2	95.3	95.3	95.3	95.3
≥ 200	56.7	83.4	86.4	87.4	90.1	91.3	94.0	94.8	95.3	96.4	96.4	96.6	96.6	96.8	96.8	96.8
≥ 100	56.7	83.4	86.4	87.5	90.2	91.4	94.2	95.1	95.8	97.2	97.2	97.8	97.8	98.4	98.6	99.1
≥ 0	56.7	83.4	86.4	87.5	90.2	91.4	94.2	95.1	95.8	97.2	97.8	97.8	98.7	98.8	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

899

USAF ETAC

FORM
JUL 66

D-14-3 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-68

OTIS AFB MA

68-70,73,76-81

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	34.5	56.2	56.8	57.1	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.6
≥ 20000	35.6	58.2	58.8	59.1	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.6
≥ 18000	35.6	58.2	58.8	59.1	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.6
≥ 16000	35.6	58.2	58.8	59.1	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.6
≥ 14000	36.7	59.7	60.4	60.6	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2
≥ 12000	37.4	60.2	60.8	61.1	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6
≥ 10000	39.3	63.1	63.7	64.0	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.5
≥ 9000	39.3	63.4	64.1	64.3	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.8
≥ 8000	41.4	66.5	67.3	67.5	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.2
≥ 7000	42.0	68.1	68.9	69.1	69.5	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.7
≥ 6000	43.5	69.7	70.5	70.7	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4
≥ 5000	44.7	72.0	73.0	73.2	73.7	73.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.0
≥ 4500	45.1	72.7	73.7	74.0	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7
≥ 4000	45.4	73.5	74.5	74.7	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5
≥ 3500	45.6	74.1	75.1	75.3	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.1
≥ 3000	46.1	74.6	76.1	76.3	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.1
≥ 2500	46.5	75.4	77.2	77.4	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.3
≥ 2000	46.5	76.2	78.0	78.2	78.9	78.9	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2
≥ 1800	46.6	76.5	78.3	78.5	79.2	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.5
≥ 1500	47.3	77.4	79.2	79.4	80.1	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.6
≥ 1200	47.7	78.2	80.2	80.8	81.4	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0
≥ 1000	47.8	78.8	80.8	81.3	82.0	82.2	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.5
≥ 900	48.1	79.1	81.3	81.9	82.5	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.1
≥ 800	48.1	79.4	81.9	82.5	83.2	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.0
≥ 700	48.1	79.9	82.5	83.3	84.1	84.6	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.0
≥ 600	48.1	80.2	83.1	84.2	85.1	85.7	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.2
≥ 500	48.1	80.4	83.3	84.4	85.8	86.3	87.0	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8
≥ 400	48.4	81.2	84.5	85.9	87.8	88.4	89.1	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1
≥ 300	48.4	81.4	84.9	86.5	89.5	90.5	91.9	92.5	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.7
≥ 200	48.4	81.4	84.9	86.7	89.7	90.8	92.5	93.5	94.2	94.9	95.0	95.0	95.0	95.0	95.0	95.1
≥ 100	48.4	81.4	85.0	86.8	90.0	91.1	93.0	94.5	95.7	97.0	97.6	97.6	98.1	98.1	98.6	98.9
≥ 0	48.4	81.4	85.0	86.8	90.0	91.1	93.0	94.5	95.7	97.0	97.7	97.8	98.6	98.6	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

721 68

OTIS AFB MA

69-70,73,76-81

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.3	53.2	53.7	54.1	54.4	54.4	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.7	54.7	54.7
≥ 20000	41.3	55.2	56.7	56.2	56.5	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.8	56.8	56.8
≥ 18000	41.3	55.2	55.8	56.2	56.5	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.9
IV 6000	41.3	55.2	55.8	56.2	56.5	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.9
IV 14000	43.1	56.6	57.2	57.6	57.9	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.3
IV 12000	43.6	57.4	58.0	58.5	58.7	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.1
IV 10000	45.9	60.8	61.4	61.9	62.2	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.5	62.5	62.6
IV 9000	46.4	61.4	62.0	62.5	62.8	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.1	63.2	63.2
IV 8000	48.3	64.4	65.2	65.7	65.9	66.0	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.3	66.3	66.4
IV 7000	49.2	65.8	66.6	67.1	67.4	67.5	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.8	67.8	67.9
IV 6000	50.6	67.5	68.4	68.9	69.2	69.2	69.3	69.4	69.4	69.5	69.5	69.5	69.5	69.6	69.6	69.7
IV 5000	52.2	69.7	70.7	71.3	71.6	71.7	71.7	71.8	71.8	71.9	71.9	71.9	72.0	72.0	72.0	72.1
IV 4500	53.7	70.7	71.6	72.2	72.6	72.6	72.7	72.8	72.8	72.9	72.9	72.9	73.0	73.0	73.0	73.1
IV 4000	54.1	72.2	73.2	73.9	74.3	74.3	74.4	74.5	74.5	74.6	74.6	74.6	74.7	74.7	74.7	74.8
IV 3500	54.6	73.0	74.0	74.7	75.1	75.2	75.3	75.3	75.4	75.4	75.4	75.4	75.5	75.6	75.6	75.6
IV 3000	55.6	74.4	75.5	76.2	76.6	76.7	76.8	76.9	76.9	77.0	77.0	77.0	77.1	77.1	77.1	77.1
IV 2500	56.2	75.3	76.6	77.3	77.8	77.9	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.3	78.3	78.3
IV 2000	57.0	76.7	78.0	78.8	79.3	79.4	79.6	79.7	79.7	79.8	79.8	79.8	79.9	79.9	79.9	79.9
IV 1800	57.2	77.1	78.4	79.2	79.7	79.8	80.0	80.1	80.1	80.2	80.2	80.2	80.3	80.3	80.3	80.3
IV 1500	57.8	78.1	79.4	80.2	80.8	80.9	81.1	81.2	81.2	81.3	81.3	81.3	81.4	81.4	81.4	81.5
IV 1200	58.4	79.1	80.5	81.3	82.0	82.2	82.3	82.5	82.5	82.6	82.6	82.6	82.7	82.7	82.7	82.8
IV 1000	58.7	79.9	81.5	82.4	83.1	83.3	83.4	83.6	83.6	83.7	83.7	83.7	83.8	83.8	83.8	83.9
IV 900	58.8	80.2	81.9	82.8	83.6	83.8	84.0	84.2	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.5
IV 800	59.7	80.6	82.5	83.5	84.4	84.6	84.8	85.0	85.0	85.2	85.2	85.2	85.3	85.3	85.3	85.4
IV 700	59.2	81.0	83.0	84.1	85.0	85.4	85.7	85.9	85.9	86.1	86.1	86.1	86.2	86.2	86.2	86.3
IV 600	59.2	81.4	83.6	84.8	85.9	86.3	86.6	86.9	87.0	87.1	87.1	87.1	87.2	87.2	87.2	87.3
IV 500	59.4	82.0	84.3	85.8	87.3	87.8	88.4	88.8	89.0	89.2	89.2	89.2	89.3	89.3	89.3	89.4
IV 400	59.5	82.5	85.1	86.7	88.5	89.3	90.3	91.1	91.4	91.6	91.7	91.7	91.8	91.8	91.8	91.9
IV 300	59.5	82.5	85.1	86.9	89.2	90.1	91.6	92.9	93.4	93.9	94.0	94.0	94.2	94.3	94.3	94.4
IV 200	59.5	82.6	85.2	86.9	89.4	90.4	92.2	93.8	94.4	95.5	95.9	95.9	96.3	96.4	96.5	96.6
IV 100	59.5	82.6	85.2	87.0	89.5	90.5	92.3	94.1	94.8	96.2	96.9	96.9	97.9	98.0	98.7	99.2
IV 0	59.5	82.6	85.2	87.0	89.5	90.5	92.3	94.1	94.8	96.2	96.9	96.9	98.0	98.1	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7195

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2
GENERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

00168

OTIS AFB MA

68-70,73,76-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	30.3	46.1	47.3	47.6	48.4	48.5	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 20000	31.4	48.1	49.2	49.6	50.3	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 18000	31.4	48.1	49.2	49.6	50.3	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 16000	31.4	48.1	49.2	49.6	50.3	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 14000	32.1	48.7	50.1	50.4	51.2	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 12000	32.0	48.7	50.1	50.4	51.2	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 10000	32.6	50.5	52.4	52.8	53.7	53.8	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 9000	33.2	51.3	53.1	53.5	54.4	54.5	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 8000	35.7	55.4	57.2	57.8	58.8	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 7000	35.8	56.2	58.2	59.0	60.1	60.2	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 6000	36.7	58.6	60.5	61.4	62.5	62.6	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 5000	37.2	61.1	63.2	64.1	65.2	65.3	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 4500	37.2	61.6	64.0	64.8	66.0	66.1	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4000	37.3	61.9	64.4	65.3	66.5	66.6	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 3500	37.6	62.7	65.2	66.1	67.3	67.4	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3000	38.6	64.4	67.0	68.0	69.1	69.2	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 2500	39.2	65.5	68.2	69.1	70.3	70.4	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 2000	39.9	66.3	69.1	70.1	71.5	71.6	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 1800	39.9	66.3	69.2	70.2	71.6	71.7	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 1500	40.0	66.5	69.5	70.4	71.9	72.0	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 1200	40.1	66.6	69.8	70.8	72.3	72.4	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 1000	40.2	66.7	69.9	71.0	72.5	72.6	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 900	40.2	66.7	69.9	71.1	72.6	72.7	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 800	40.2	67.1	70.6	71.9	73.4	73.5	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 700	40.3	67.4	71.1	72.6	74.1	74.4	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 600	40.3	67.5	71.6	73.1	74.6	75.2	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 500	40.3	67.8	72.3	74.0	75.9	76.6	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 400	40.3	68.0	73.0	75.4	77.8	78.8	79.1	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 300	40.3	68.0	73.0	75.4	78.1	79.4	80.3	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.7
≥ 200	40.3	68.0	73.0	75.4	78.4	79.7	81.3	82.6	83.2	84.9	86.0	86.0	86.1	86.1	86.1	86.3
≥ 100	40.3	68.1	73.1	75.5	78.5	79.9	81.7	83.8	84.5	87.1	88.9	89.2	92.4	92.6	95.4	96.2
≥ 0	40.3	68.1	73.1	75.5	78.5	79.9	81.7	83.8	84.5	87.1	89.0	89.4	92.5	92.7	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS

930

CLIMATE CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
 1768

STATION NAME
 OTIS AFB MA

YEARS
 68-70, 73, 76-81

MONTH
 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH
 0700-0500
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 4	≥ 0
NO CEILING	28.6	40.5	42.8	43.1	43.8	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.4	44.4	44.4
≥ 20000	29.1	41.8	44.4	44.7	45.4	45.7	45.8	45.9	45.9	45.9	45.9	45.9	45.9	46.0	46.0	46.0
≥ 18000	29.1	41.8	44.4	44.7	45.4	45.7	45.8	45.9	45.9	45.9	45.9	45.9	45.9	46.0	46.0	46.0
≥ 16000	29.1	41.8	44.4	44.7	45.4	45.7	45.8	45.9	45.9	45.9	45.9	45.9	45.9	46.0	46.0	46.0
≥ 14000	30.1	42.8	45.5	45.8	46.5	46.8	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.2	47.2	47.2
≥ 12000	30.4	43.1	45.8	46.1	46.8	47.1	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.5	47.5	47.5
≥ 10000	32.4	46.8	49.6	50.0	50.6	51.0	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.4	51.4	51.4
≥ 9000	32.4	47.0	49.8	50.2	50.9	51.2	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.6
≥ 8000	34.9	51.6	54.4	55.1	55.8	56.2	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7
≥ 7000	35.2	52.8	55.6	56.2	57.1	57.5	57.7	57.8	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.1
≥ 6000	36.1	54.3	57.1	57.8	58.7	59.1	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7
≥ 5000	37.1	56.6	59.5	60.3	61.3	61.7	61.9	62.0	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3
≥ 4500	37.2	57.4	60.3	61.2	62.3	62.8	63.0	63.1	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.3
≥ 4000	37.3	58.3	61.2	62.0	63.2	63.9	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.5
≥ 3500	37.5	59.0	62.0	62.9	64.1	64.7	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.4	65.4	65.4
≥ 3000	38.6	61.3	64.6	65.6	66.9	67.5	67.8	68.1	68.2	68.3	68.3	68.3	68.3	68.4	68.4	68.4
≥ 2500	38.9	61.7	65.1	66.0	67.4	68.1	68.4	68.6	68.7	68.8	68.8	68.8	68.8	68.9	68.9	68.9
≥ 2000	39.4	62.4	65.7	66.7	68.1	68.7	69.0	69.2	69.4	69.5	69.5	69.5	69.5	69.6	69.6	69.6
≥ 1800	39.4	62.6	65.9	66.9	68.3	68.9	69.2	69.5	69.6	69.7	69.7	69.7	69.7	69.8	69.8	69.8
≥ 1500	39.8	63.0	66.5	67.4	68.8	69.5	69.8	70.0	70.2	70.3	70.3	70.3	70.3	70.4	70.4	70.4
≥ 1200	39.9	63.3	67.1	68.1	69.7	70.3	70.6	70.9	71.1	71.2	71.2	71.2	71.2	71.3	71.3	71.3
≥ 1000	39.9	63.4	67.4	68.4	70.1	70.8	71.1	71.3	71.5	71.6	71.6	71.6	71.6	71.7	71.7	71.8
≥ 900	39.9	63.8	67.7	68.7	70.5	71.2	71.5	71.7	71.9	72.0	72.0	72.0	72.0	72.2	72.2	72.3
≥ 800	39.9	64.1	68.1	69.0	71.1	71.7	72.0	72.3	72.5	72.6	72.6	72.6	72.6	72.7	72.7	72.8
≥ 700	40.1	64.5	68.7	70.1	72.3	73.0	73.3	73.5	73.8	73.9	73.9	73.9	73.9	74.0	74.0	74.1
≥ 600	40.2	65.3	69.7	71.2	73.7	74.6	75.1	75.4	75.6	75.7	75.7	75.7	75.7	75.8	75.8	75.9
≥ 500	40.2	65.5	70.3	72.2	75.2	76.1	76.6	77.0	77.3	77.4	77.4	77.4	77.4	77.5	77.5	77.6
≥ 400	40.2	65.8	70.9	72.8	76.5	77.6	78.2	78.8	79.4	79.6	79.6	79.6	79.6	79.7	79.7	79.8
≥ 300	40.2	65.9	71.0	73.0	77.0	78.3	79.0	79.8	80.5	81.4	81.5	81.5	81.5	81.7	81.7	82.0
≥ 200	40.2	66.0	71.2	73.2	77.4	78.7	80.1	81.3	82.3	84.1	85.1	85.2	85.8	85.8	85.8	86.2
≥ 100	40.2	66.0	71.2	73.2	77.4	78.7	80.2	81.8	83.0	86.0	87.3	87.5	90.6	90.8	93.4	94.7
≥ 0	40.2	66.0	71.2	73.2	77.4	78.7	80.2	81.8	83.0	86.0	87.4	87.6	90.8	90.9	94.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

755 68

OTIS AFB MA

68-70, 73, 76-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2600-2800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	34.7	43.3	44.4	44.9	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.6
≥ 20000	34.9	44.9	46.7	46.6	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.2
≥ 18000	34.7	44.9	46.7	46.6	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.2
≥ 16000	35.1	45.1	46.1	46.7	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.3
≥ 14000	36.1	46.3	47.5	48.1	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.7
≥ 12000	37.3	47.6	49.0	49.6	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.2
≥ 10000	39.9	51.3	53.2	53.8	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.4
≥ 9000	39.6	51.6	53.5	54.1	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.7
≥ 8000	41.0	53.7	55.8	56.5	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2
≥ 7000	41.5	54.8	57.1	57.8	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.6
≥ 6000	42.3	56.6	58.9	59.8	60.4	60.4	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.8
≥ 5000	43.3	58.8	61.3	62.5	63.2	63.4	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.8
≥ 4500	44.3	59.6	62.0	63.2	64.0	64.2	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.5
≥ 4000	44.3	59.7	62.3	63.4	64.3	64.5	64.7	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.2
≥ 3500	44.6	60.2	62.8	64.0	64.8	65.1	65.3	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.7
≥ 3000	45.5	61.3	63.9	65.2	66.2	66.8	67.1	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.5
≥ 2500	45.9	62.0	64.7	66.1	67.2	67.7	68.1	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.5
≥ 2000	46.5	62.9	65.6	67.0	68.1	68.6	69.0	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.6
≥ 1800	46.6	63.1	65.8	67.2	68.3	68.8	69.2	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.8
≥ 1500	47.3	64.1	66.8	68.3	69.4	69.9	70.3	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.9
≥ 1200	48.1	65.2	67.8	69.4	70.4	71.0	71.4	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	72.0
≥ 1000	48.3	65.7	68.5	70.0	71.3	71.9	72.4	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	73.0
≥ 900	48.5	66.2	69.0	70.6	71.9	72.7	73.1	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.8
≥ 800	48.7	67.2	70.1	71.7	73.0	73.8	74.3	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.9
≥ 700	48.8	68.0	71.0	72.8	74.2	74.9	75.5	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.2
≥ 600	49.0	68.6	71.9	73.9	75.3	76.0	76.7	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.4
≥ 500	49.1	69.5	72.8	74.8	76.7	77.6	78.5	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.5
≥ 400	49.1	69.6	73.2	75.8	77.6	79.0	80.4	81.4	81.7	82.3	82.3	82.3	82.3	82.3	82.4	82.5
≥ 300	49.1	69.6	73.2	75.9	78.2	79.6	81.7	83.5	84.2	86.0	86.2	86.2	86.3	86.3	86.5	86.6
≥ 200	49.1	69.6	73.2	76.0	78.6	80.0	82.5	84.6	85.7	88.5	89.6	90.6	90.9	91.2	91.4	
≥ 100	49.1	69.6	73.2	76.0	78.6	80.0	82.7	85.2	86.3	89.5	91.2	91.3	93.2	93.5	95.5	97.1
≥ 0	49.1	69.6	73.2	76.0	78.6	80.0	82.7	85.2	86.3	89.5	91.3	91.4	93.4	93.8	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC FORM 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

71164

OTIS AFB MA

68-70,73,76-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64
NO CEILING	41.7	50.3	57.5	50.8	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 20000	41.6	51.6	52.7	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 18000	41.7	52.0	52.3	52.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 16000	41.7	52.0	52.3	52.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000	43.2	53.5	53.9	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 12000	43.2	54.8	55.2	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 10000	45.3	57.8	58.2	58.4	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 9000	46.0	58.4	58.7	58.9	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 8000	48.0	61.4	61.8	62.0	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 7000	48.4	62.3	62.7	62.9	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 6000	49.4	63.7	64.1	64.3	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 5000	49.9	64.6	65.1	65.3	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 4500	50.1	65.4	65.8	66.0	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 4000	51.6	66.6	67.0	67.3	68.1	68.1	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3500	51.2	67.0	67.4	67.7	68.5	68.5	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 3000	52.4	68.8	69.2	69.6	70.3	70.4	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 2500	53.3	69.8	70.2	70.5	71.3	71.4	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 2000	54.3	71.5	71.9	72.4	73.1	73.2	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 1800	54.5	71.8	72.4	72.8	73.7	73.8	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1500	55.5	73.2	73.9	74.3	75.2	75.3	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 1200	56.2	74.2	74.9	75.4	76.2	76.3	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1000	56.3	75.6	76.3	77.0	78.0	78.1	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 900	57.2	76.1	77.0	77.6	78.7	78.9	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 800	58.1	77.6	78.9	79.7	81.0	81.3	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 700	58.3	78.4	80.0	80.9	82.3	82.9	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 600	58.3	79.1	81.0	81.9	83.5	84.4	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 500	58.4	80.0	82.3	83.7	85.5	86.5	87.7	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 400	58.4	80.5	83.0	84.7	87.2	88.2	89.9	90.4	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 300	58.4	80.5	83.1	85.3	88.3	89.6	91.9	93.2	93.7	95.1	95.5	95.5	95.8	95.8	95.8	95.8
≥ 200	58.4	80.5	83.1	85.3	88.3	89.7	92.3	93.8	94.4	96.1	96.9	96.9	97.4	97.6	97.7	97.8
≥ 100	58.4	80.5	83.1	85.3	88.3	89.7	92.4	93.9	94.5	96.5	97.2	97.2	98.6	98.8	99.5	99.9
≥ 0	58.4	80.5	83.1	85.3	88.3	89.7	92.4	93.9	94.5	96.5	97.2	97.2	98.6	98.9	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) JUL 66 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. AIR FORCE
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 6P OTIS AFB MA

65-70,73,76-P1

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	> 0
NO CEILING	47.1	47.7	49.9	50.1	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 2000	41.3	51.8	52.2	52.4	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 1500	41.3	51.8	52.2	52.4	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 1000	41.3	51.8	52.2	52.4	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 800	44.1	54.7	55.1	55.3	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 600	44.6	55.9	56.2	56.5	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 400	47.2	60.2	60.6	60.9	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 300	47.3	60.5	61.0	61.2	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 200	49.8	64.0	64.4	64.6	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 150	49.9	64.5	64.9	65.2	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 100	51.3	66.3	66.8	67.0	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 80	53.3	69.0	69.5	69.7	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 60	53.3	69.0	69.5	69.7	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 4500	53.3	70.0	70.4	70.6	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 4000	54.4	71.4	72.1	72.5	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 3500	55.1	72.5	73.1	73.5	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 3000	56.4	73.7	74.3	74.7	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 2500	57.6	74.5	75.2	75.6	76.6	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 2000	58.7	76.2	77.0	77.4	78.6	78.6	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 1800	58.8	76.3	77.1	77.6	78.9	78.9	79.2	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1500	59.9	78.3	79.0	79.6	80.9	80.9	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1200	60.3	79.6	80.4	81.0	82.6	82.7	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 1000	61.2	81.3	82.6	83.3	85.1	85.2	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 900	61.5	81.9	83.2	84.0	85.7	85.8	86.3	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 800	61.5	82.4	84.6	85.6	87.5	87.6	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 700	61.5	83.0	85.7	86.8	88.9	89.0	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 600	61.6	83.7	86.5	87.6	90.0	90.1	90.9	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 500	61.6	84.3	87.4	88.9	91.4	91.9	93.1	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 400	61.6	84.3	87.6	89.5	92.2	92.8	94.2	94.8	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 300	61.6	84.5	87.8	89.8	93.0	93.8	95.5	96.6	96.7	97.8	98.1	98.1	98.3	98.3	98.3	98.3
≥ 200	61.6	84.5	87.8	89.8	93.1	94.0	95.7	97.1	97.3	98.8	99.1	99.1	99.4	99.4	99.5	99.5
≥ 100	61.6	84.5	87.8	89.8	93.1	94.0	95.7	97.1	97.3	98.8	99.1	99.1	99.6	99.6	100.0	100.0
≥ 0	61.6	84.5	87.8	89.8	93.1	94.0	95.7	97.1	97.3	98.8	99.1	99.1	99.6	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

930

AL CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

67 OTIS AFB MA

55-70,73,76-81

4AY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
≥ 10000	39.4	53.9	52.4	52.6	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 8000	42.4	54.8	56.5	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 6000	42.4	55.2	56.3	57.0	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 4000	42.4	55.2	56.8	57.0	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 3000	43.8	57.3	59.4	59.6	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 2000	44.8	58.8	60.9	61.1	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 1500	47.2	63.0	65.2	65.4	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 1000	47.4	63.5	65.7	65.9	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 800	49.8	67.5	69.7	69.9	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 700	50.3	68.7	70.9	71.1	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 600	52.2	70.2	72.4	72.6	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 500	53.5	72.5	74.8	75.1	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 450	54.4	73.7	76.0	76.2	77.3	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 400	55.1	74.5	76.9	77.1	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 350	55.3	75.2	77.5	77.7	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 300	55.7	75.8	78.2	78.4	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 250	56.7	76.9	79.2	79.5	80.6	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 200	57.5	78.3	80.8	81.0	82.2	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 180	57.5	78.3	80.9	81.2	82.4	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 150	55.1	79.2	81.8	82.3	83.4	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 120	58.4	79.9	82.6	83.0	84.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 100	58.6	81.1	83.8	84.3	85.6	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 90	58.7	81.3	84.1	84.7	86.0	86.0	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 80	58.3	81.6	84.4	85.2	86.8	87.0	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 70	58.8	82.0	84.8	85.6	87.3	87.7	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 60	58.8	82.3	85.1	85.9	87.7	88.3	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 50	59.0	83.3	86.1	87.2	89.1	89.8	90.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 40	59.0	83.5	86.5	88.0	90.1	90.8	92.2	92.9	93.1	93.2	93.3	93.3	93.3	93.3	93.3
≥ 30	59.0	83.9	86.8	88.4	90.8	91.4	93.1	94.2	94.5	95.3	95.5	95.6	95.6	95.6	95.6
≥ 20	59.0	83.9	86.8	88.4	90.9	91.6	93.8	94.9	95.5	97.0	98.1	98.2	98.7	98.7	98.9
≥ 10	59.0	83.9	86.9	88.4	91.1	91.8	94.0	95.3	95.9	97.5	98.7	98.8	99.7	99.7	99.8
≥ 0	59.0	83.9	86.8	88.4	91.1	91.8	94.0	95.3	95.9	97.5	98.7	98.8	99.7	99.7	99.8

TOTAL NUMBER OF OBSERVATIONS 936

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 68 OTIS AFB MA

66-70, 73, 76-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING ≥ 20000	31.7	44.5	45.6	46.3	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 18000	33.9	48.4	49.6	50.5	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 16000	34.3	48.7	49.9	50.9	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000	34.3	48.7	49.9	50.9	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 12000	36.1	51.4	53.0	54.2	54.7	55.0	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 10000	36.3	52.9	54.5	55.7	56.3	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 8000	38.3	56.7	58.5	59.8	60.3	60.6	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 6000	38.4	57.2	59.1	60.3	60.9	61.1	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 4000	41.4	62.3	64.2	65.6	66.2	66.5	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 2000	42.2	64.0	65.9	67.3	67.9	68.2	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 1000	43.4	66.2	68.1	69.5	70.2	70.6	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 500	44.3	67.8	69.9	71.3	72.0	72.4	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 250	44.5	68.2	70.4	71.8	72.4	73.0	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 100	44.7	69.0	71.3	72.7	73.4	73.9	74.1	74.2	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 50	44.8	69.4	71.8	73.2	73.8	74.4	74.6	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 25	45.5	70.6	73.0	74.4	75.0	75.5	75.8	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 10	45.7	71.3	73.7	75.1	75.8	76.3	76.5	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 5	45.9	72.0	74.6	76.0	76.6	77.2	77.4	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 2	46.1	72.3	75.0	76.4	77.0	77.6	77.8	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 1	46.1	72.4	75.1	76.5	77.2	77.7	77.9	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1/2	46.0	72.8	75.6	77.0	77.7	78.2	78.4	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1/4	46.1	73.2	76.0	77.4	78.1	78.7	78.9	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 1/8	46.3	73.7	76.5	77.9	78.7	79.2	79.4	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 1/16	46.4	74.2	77.3	78.9	79.6	80.4	80.6	80.7	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 1/32	46.4	74.6	78.1	79.7	80.7	81.5	81.9	82.1	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 1/64	46.4	75.6	79.3	80.9	82.1	82.9	83.4	83.6	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1/128	46.4	75.9	79.5	81.4	83.0	83.7	84.4	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1/256	46.6	76.3	80.2	82.2	84.3	85.1	86.1	86.9	87.2	87.6	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1/512	46.6	76.5	80.4	82.5	85.1	86.0	87.5	88.8	89.3	90.2	90.4	90.4	90.5	90.5	90.5	90.5
≥ 1/1024	46.6	76.5	80.5	82.7	85.6	86.5	88.6	90.3	91.1	92.7	93.5	93.5	94.4	94.4	94.5	94.6
≥ 1/2048	46.6	76.5	80.5	82.7	85.6	86.5	88.6	90.3	91.3	93.1	94.6	94.6	96.7	96.7	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION OTIS AFB MA

68-70,73,76-81

YEAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	29.4	46.2	46.7	47.4	47.8	48.1	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 2000	29.5	48.7	49.1	49.9	50.4	50.6	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 1800	29.6	48.8	49.2	50.0	50.5	50.8	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 1600	29.6	48.8	49.2	50.0	50.5	50.8	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 1400	31.1	51.1	51.6	52.5	53.0	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 1200	31.2	52.3	52.8	53.8	54.3	54.5	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 1000	31.5	55.6	56.3	57.2	57.8	58.0	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 900	31.6	55.8	56.5	57.5	58.0	58.2	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 800	34.4	59.9	60.7	61.8	62.6	62.9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 700	35.1	60.9	61.7	62.9	63.7	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 600	35.6	62.9	63.7	64.9	65.8	66.0	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 500	36.4	65.1	66.3	67.5	68.6	68.8	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 450	36.4	65.4	66.6	67.8	68.9	69.1	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 400	36.5	65.9	67.2	68.4	69.4	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 350	36.7	66.8	68.1	69.3	70.4	70.6	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 300	37.1	67.5	68.8	70.0	71.3	71.5	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 250	37.8	68.6	70.0	71.3	72.6	72.8	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 200	38.0	69.1	70.6	72.0	73.3	73.5	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 180	38.0	69.1	70.6	72.0	73.3	73.5	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 150	38.0	69.2	70.8	72.2	73.5	73.8	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 120	38.1	69.3	71.1	72.6	73.9	74.1	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 100	38.3	70.1	71.9	73.4	74.8	75.1	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 90	38.3	70.1	71.9	73.4	74.8	75.1	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 80	38.3	70.2	72.0	73.7	75.5	75.7	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 70	38.4	70.5	72.5	74.1	76.1	76.3	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 60	38.4	70.7	72.8	74.4	76.7	76.9	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 50	38.4	71.0	73.1	75.1	77.8	78.1	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 40	38.4	71.5	74.0	76.7	80.5	81.0	81.9	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 30	38.4	71.5	74.2	77.3	81.5	82.3	84.3	84.6	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 20	38.4	71.5	74.2	77.5	82.0	82.9	85.7	86.8	87.7	88.4	89.1	89.2	89.4	89.4	89.4	89.4
≥ 10	38.4	71.5	74.2	77.5	82.0	82.9	85.9	87.0	87.9	89.1	90.9	91.3	93.3	93.4	95.8	96.2
≥ 0	38.4	71.5	74.2	77.5	82.0	82.9	85.9	87.0	87.9	89.2	91.0	91.4	93.6	94.0	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 926

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

FORM 64

OTIS AFB MA

66-70, 73, 76-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING	34.2	46.4	47.4	47.9	48.4	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 20000	35.6	48.8	49.9	50.3	50.8	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 18000	35.7	48.9	50.0	50.4	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 16000	35.7	48.9	50.0	50.5	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 14000	37.0	50.7	52.0	52.5	53.1	53.2	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4
≥ 12000	37.6	51.8	53.1	53.6	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.5	54.5
≥ 10000	39.3	55.2	56.7	57.3	57.9	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 9000	39.5	55.7	57.2	57.7	58.3	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 8000	41.9	59.5	61.0	61.7	62.4	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 7000	42.4	60.5	62.1	62.8	63.5	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 6000	43.4	62.3	63.9	64.7	65.4	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9
≥ 5000	44.4	64.4	66.2	67.0	67.8	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3
≥ 4500	44.4	65.2	66.9	67.7	68.6	68.8	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 4000	45.1	65.9	67.8	68.6	69.5	69.7	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.2
≥ 3500	45.5	66.6	68.5	69.3	70.2	70.5	70.7	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9
≥ 3000	46.3	67.9	69.9	70.7	71.8	72.0	72.3	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5
≥ 2500	46.9	68.8	71.8	71.7	72.7	73.0	73.3	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5
≥ 2000	47.5	69.8	71.9	72.8	73.9	74.2	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8
≥ 1800	47.6	70.0	72.1	73.0	74.2	74.5	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0
≥ 1500	48.1	70.7	72.9	73.9	75.0	75.3	75.6	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9
≥ 1200	48.4	71.4	73.7	74.6	75.9	76.2	76.5	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7
≥ 1000	48.7	72.1	74.5	75.6	76.9	77.2	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.9
≥ 900	48.8	72.5	74.9	76.0	77.4	77.7	78.1	78.2	78.2	78.3	79.3	78.3	78.3	78.3	78.3
≥ 800	49.0	73.1	75.8	77.0	78.5	78.9	79.3	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6
≥ 700	49.1	73.6	76.5	77.8	79.5	80.0	80.5	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.9
≥ 600	49.2	74.1	77.2	78.6	80.5	81.0	81.6	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.0
≥ 500	49.2	74.7	78.0	79.6	81.8	82.5	83.3	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.9
≥ 400	49.2	74.9	78.5	80.6	83.3	84.2	85.2	85.9	86.1	86.4	86.5	86.5	86.5	86.5	86.5
≥ 300	49.2	75.0	78.7	81.0	84.0	85.0	86.7	87.7	88.1	89.0	89.2	89.2	89.3	89.3	89.4
≥ 200	49.2	75.1	78.7	81.0	84.3	85.4	87.5	88.9	89.6	91.3	92.2	92.2	92.7	92.8	93.0
≥ 100	49.2	75.1	78.7	81.0	84.3	85.4	87.6	89.3	90.1	92.2	93.5	93.6	95.5	95.6	97.9
≥ 0	49.2	75.1	78.7	81.0	84.3	85.4	87.6	89.3	90.1	92.2	93.6	93.7	95.6	95.8	97.7

TOTAL NUMBER OF OBSERVATIONS

7434

USAF ETAC FORM 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10-1-68

OTIS AFB MA

68-70,73,75-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1000-0200
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	25.3	39.3	41.6	42.2	44.1	44.6	46.4	47.1	47.2	47.4	47.4	47.4	47.7	47.8	47.8	47.8
≥ 20000	26.4	39.8	41.3	42.8	44.7	45.3	47.2	48.0	48.1	48.3	48.3	48.3	48.5	48.7	48.7	48.7
≥ 18000	26.4	39.8	41.3	42.8	44.7	45.3	47.2	48.0	48.1	48.3	48.3	48.3	48.5	48.7	48.7	48.7
≥ 16000	26.4	39.8	41.3	42.8	44.7	45.3	47.2	48.0	48.1	48.3	48.3	48.3	48.5	48.7	48.7	48.7
≥ 14000	26.7	40.3	41.7	43.3	45.2	45.7	47.7	48.4	48.5	48.8	48.8	48.8	49.0	49.1	49.1	49.1
≥ 12000	27.1	40.8	42.3	44.0	45.9	46.4	48.3	49.1	49.2	49.4	49.4	49.4	49.7	49.8	49.8	49.8
≥ 10000	28.3	42.8	44.7	46.4	48.3	48.9	50.8	51.6	51.7	51.9	51.9	51.9	52.1	52.2	52.2	52.2
≥ 9000	28.3	43.0	44.9	46.5	48.4	49.0	50.9	51.7	51.8	52.0	52.0	52.0	52.2	52.3	52.3	52.3
≥ 8000	28.6	43.5	45.4	47.1	49.1	49.7	51.6	52.3	52.5	52.7	52.7	52.7	52.9	53.0	53.0	53.0
≥ 7000	29.0	44.2	46.1	47.9	50.1	50.7	52.6	53.4	53.5	53.7	53.7	53.7	53.9	54.0	54.0	54.0
≥ 6000	29.4	45.0	47.0	48.8	51.0	51.6	53.5	54.4	54.5	54.7	54.7	54.7	54.9	55.0	55.0	55.0
≥ 5000	30.1	46.9	49.2	51.2	53.6	54.1	56.2	57.0	57.2	57.4	57.4	57.4	57.6	57.7	57.7	57.7
≥ 4500	30.3	47.1	49.4	51.5	53.8	54.4	56.4	57.3	57.4	57.6	57.6	57.6	57.8	57.9	57.9	57.9
≥ 4000	31.4	49.0	51.3	53.4	55.8	56.4	58.6	59.5	59.6	59.8	59.8	59.8	60.1	60.2	60.2	60.2
≥ 3500	31.4	49.8	52.2	54.3	56.8	57.4	59.6	60.5	60.6	60.9	60.9	60.9	61.1	61.2	61.2	61.2
≥ 3000	32.3	50.9	53.4	55.5	58.1	58.6	60.9	62.0	62.1	62.3	62.3	62.3	62.5	62.6	62.6	62.6
≥ 2500	32.7	51.6	54.3	56.4	58.9	59.5	61.7	62.9	63.0	63.2	63.2	63.2	63.4	63.5	63.5	63.5
≥ 2000	32.9	51.9	54.8	57.0	59.6	60.4	62.8	63.9	64.0	64.2	64.2	64.2	64.4	64.5	64.5	64.5
≥ 1800	33.0	52.0	54.9	57.2	59.7	60.5	62.9	64.0	64.1	64.3	64.3	64.3	64.5	64.7	64.7	64.7
≥ 1500	33.2	52.8	55.7	57.9	60.5	61.3	63.6	64.8	64.9	65.1	65.1	65.1	65.3	65.4	65.4	65.4
≥ 1200	33.4	53.5	56.4	58.6	61.4	62.3	64.8	65.9	66.0	66.2	66.2	66.2	66.4	66.6	66.6	66.6
≥ 1000	33.6	53.8	56.7	58.9	61.7	62.6	65.1	66.3	66.4	66.8	66.8	66.8	67.0	67.1	67.1	67.1
≥ 900	33.6	53.9	56.8	59.1	61.9	62.8	65.2	66.4	66.6	66.9	66.9	66.9	67.1	67.2	67.2	67.2
≥ 800	33.6	54.7	57.6	60.0	63.0	63.9	66.3	67.6	67.7	68.0	68.0	68.0	68.2	68.3	68.3	68.3
≥ 700	33.9	55.3	58.3	60.6	64.2	65.1	67.9	69.5	69.6	69.9	69.9	69.9	70.1	70.2	70.2	70.2
≥ 600	34.0	55.6	58.7	61.1	65.0	66.0	68.9	70.8	70.9	71.3	71.3	71.3	71.5	71.6	71.6	71.6
≥ 500	34.1	56.3	59.7	62.5	67.0	68.0	71.5	73.6	73.7	74.0	74.0	74.0	74.3	74.4	74.4	74.4
≥ 400	34.3	57.0	61.0	64.1	68.9	70.0	74.5	76.8	77.6	78.3	78.3	78.3	78.5	78.6	78.6	78.6
≥ 300	34.7	57.3	61.3	64.4	70.2	71.8	77.0	80.0	81.3	82.2	82.3	82.3	82.6	82.7	82.7	82.7
≥ 200	34.7	57.3	61.4	64.5	71.0	72.6	78.9	82.6	84.0	85.3	86.1	86.2	86.6	87.0	87.0	87.0
≥ 100	34.7	57.3	61.4	64.5	71.4	72.9	79.4	83.1	85.1	87.8	89.5	89.7	92.5	93.6	95.7	96.4
≥ 0	34.0	57.3	61.4	64.5	71.4	72.9	79.4	83.1	85.1	87.8	89.5	89.7	92.6	93.7	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS 894

LOCAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAL

CEILING VERSUS VISIBILITY

STATION 68 OTIS AFB MA

66-70,73,75-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	22.3	33.3	34.4	35.8	39.2	35.8	39.3	39.8	40.2	40.6	40.6	40.6	40.8	41.0	41.2	41.4
≥ 20000	22.3	34.3	35.6	37.2	39.5	40.3	40.8	41.4	41.7	42.2	42.2	42.2	42.4	42.5	42.7	43.0
≥ 18000	22.3	34.3	35.6	37.2	39.5	40.3	41.1	41.6	42.0	42.4	42.4	42.4	42.6	42.7	43.0	43.2
≥ 16000	22.3	34.3	35.6	37.2	39.5	40.3	41.9	42.4	42.7	43.2	43.2	43.2	43.4	43.5	43.8	44.0
≥ 14000	23.2	34.8	36.3	37.8	40.2	41.0	41.9	42.4	42.7	43.1	43.5	43.5	43.5	43.8	43.9	44.3
≥ 12000	23.2	35.2	36.6	38.2	41.5	41.3	42.2	42.7	43.1	43.5	43.5	43.5	43.8	43.9	44.1	44.3
≥ 10000	25.2	38.3	39.7	41.4	44.2	45.0	46.3	47.0	47.3	47.9	47.9	47.9	48.1	48.2	48.4	48.7
≥ 9000	25.3	38.5	40.0	41.6	44.6	45.4	46.8	47.4	47.8	48.3	48.3	48.3	48.5	48.7	48.9	49.1
≥ 8000	25.9	39.5	41.0	42.6	45.6	46.4	48.0	48.6	49.1	49.7	49.7	49.7	49.9	50.0	50.2	50.4
≥ 7000	26.6	40.6	42.1	43.8	46.9	47.7	49.2	50.0	50.3	50.9	50.9	50.9	51.1	51.2	51.5	51.7
≥ 6000	27.2	41.6	43.2	45.0	48.1	48.9	50.4	51.2	51.6	52.1	52.1	52.1	52.3	52.5	52.7	52.9
≥ 5000	28.1	43.3	45.0	47.1	50.3	51.2	52.8	53.6	53.9	54.5	54.5	54.5	54.7	54.8	55.0	55.2
≥ 4500	28.2	43.5	45.2	47.3	50.6	51.8	53.3	54.1	54.5	55.0	55.0	55.0	55.2	55.4	55.6	55.8
≥ 4000	28.8	44.5	46.2	48.3	51.7	53.0	54.6	55.5	55.8	56.4	56.4	56.4	56.6	56.7	56.9	57.1
≥ 3500	28.9	45.1	46.8	48.9	52.3	53.7	55.2	56.1	56.5	57.0	57.0	57.0	57.3	57.4	57.6	57.8
≥ 3000	29.2	45.9	47.7	49.8	53.3	54.7	56.4	57.4	57.7	58.3	58.3	58.3	58.5	58.6	58.8	59.0
≥ 2500	29.8	46.9	49.1	51.2	54.9	56.3	57.9	58.9	59.3	59.8	59.8	59.8	60.0	60.2	60.4	60.6
≥ 2000	30.2	47.3	49.8	51.9	55.8	57.1	58.8	59.8	60.2	60.7	60.7	60.7	60.9	61.0	61.3	61.5
≥ 1800	30.2	47.7	50.1	52.2	56.1	57.5	59.2	60.2	60.5	61.0	61.0	61.0	61.3	61.4	61.6	61.8
≥ 1500	30.4	48.2	50.9	53.0	56.9	58.3	59.9	61.0	61.4	61.9	61.9	61.9	62.2	62.3	62.5	62.7
≥ 1200	30.6	48.9	51.5	53.8	57.8	59.2	60.8	61.9	62.3	62.8	62.8	62.8	63.1	63.2	63.4	63.6
≥ 1000	30.8	49.4	52.0	54.4	58.4	59.9	61.6	62.7	63.1	63.7	63.7	63.8	64.1	64.2	64.4	64.6
≥ 900	30.8	49.4	52.1	54.5	58.7	60.3	61.9	63.1	63.4	64.1	64.2	64.3	64.5	64.6	64.8	65.1
≥ 800	30.8	49.6	52.2	54.7	59.2	60.7	62.4	63.5	63.8	64.5	64.6	64.7	65.0	65.1	65.3	65.5
≥ 700	30.8	49.7	52.5	54.9	60.3	61.8	63.7	65.1	65.4	66.1	66.2	66.3	66.5	66.6	66.9	67.1
≥ 600	30.9	50.3	53.1	55.6	61.4	63.2	65.3	66.6	67.0	67.6	67.7	67.9	68.1	68.2	68.4	68.6
≥ 500	31.0	51.2	54.1	57.1	63.5	65.3	68.1	69.4	69.9	70.8	70.9	71.0	71.2	71.3	71.5	71.8
≥ 400	31.0	51.6	54.7	57.9	65.3	67.5	71.2	73.1	73.9	75.3	75.4	75.6	75.8	75.9	76.1	76.3
≥ 300	31.0	51.6	54.9	58.6	66.3	68.6	73.2	75.6	76.7	78.3	78.7	78.8	79.1	79.2	79.5	79.7
≥ 200	31.0	51.6	54.9	58.6	66.6	69.1	74.1	77.6	79.1	82.6	84.2	84.4	84.8	85.2	85.4	85.6
≥ 100	31.0	51.6	54.9	58.6	66.7	69.2	74.2	77.7	79.4	83.1	86.0	86.4	89.1	90.0	93.2	94.2
≥ 0	31.0	51.6	54.9	58.6	66.7	69.2	74.2	77.7	79.4	83.1	86.0	86.4	89.4	90.3	94.5	100.0

TOTAL NUMBER OF OBSERVATIONS 696

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NO. 66

OTIS AFB MA

66-70,73,75-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

6600-7601
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	28.7	39.3	41.9	43.3	44.8	45.4	46.1	46.2	46.2	46.3	46.6	46.6	46.6	46.6	46.6	46.6
≥ 20000	28.9	40.4	43.3	44.4	45.9	46.6	47.2	47.3	47.3	47.4	47.7	47.7	47.7	47.7	47.7	47.7
≥ 18000	28.9	40.4	43.3	44.4	45.9	46.6	47.2	47.3	47.3	47.4	47.7	47.7	47.7	47.7	47.7	47.7
≥ 16000	28.9	40.4	43.3	44.4	45.9	46.6	47.2	47.3	47.3	47.4	47.7	47.7	47.7	47.7	47.7	47.7
≥ 14000	29.3	41.0	43.6	45.2	46.9	47.6	48.2	48.3	48.3	48.4	48.7	48.7	48.7	48.7	48.7	48.7
≥ 12000	30.0	41.8	44.4	46.2	47.9	48.6	49.2	49.3	49.3	49.4	49.7	49.7	49.7	49.7	49.7	49.7
≥ 10000	31.0	43.9	46.9	48.7	50.3	51.0	51.7	51.8	51.8	51.9	52.1	52.1	52.1	52.1	52.1	52.1
≥ 9000	31.0	43.9	46.9	48.8	50.6	51.2	52.0	52.1	52.1	52.2	52.4	52.4	52.4	52.4	52.4	52.4
≥ 8000	31.9	45.1	48.4	50.3	52.4	53.2	54.3	54.4	54.4	54.6	54.8	54.8	54.8	54.8	54.8	54.8
≥ 7000	33.4	47.3	50.8	52.7	54.8	55.6	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.1
≥ 6000	34.0	48.2	51.7	53.6	55.7	56.4	57.6	57.8	57.8	57.9	58.1	58.1	58.1	58.1	58.1	58.1
≥ 5000	35.2	50.1	53.6	55.4	57.6	58.3	59.4	59.7	59.7	59.8	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4500	35.3	50.3	53.8	55.7	57.8	58.7	59.8	60.0	60.0	60.1	60.3	60.3	60.3	60.3	60.3	60.3
≥ 4000	36.3	52.1	55.6	57.4	59.7	60.6	61.7	62.0	62.0	62.1	62.3	62.3	62.3	62.3	62.3	62.3
≥ 3500	36.6	52.6	56.1	58.0	60.3	61.2	62.3	62.7	62.7	62.8	63.0	63.0	63.0	63.0	63.0	63.0
≥ 3000	37.1	53.1	56.7	58.7	61.0	61.9	63.1	63.4	63.4	63.7	63.9	63.9	63.9	63.9	63.9	63.9
≥ 2500	37.3	53.6	57.4	59.6	62.0	62.9	64.1	64.4	64.4	64.7	64.9	64.9	64.9	64.9	64.9	64.9
≥ 2000	37.7	54.8	58.7	60.8	63.2	64.1	65.3	65.7	65.7	65.9	66.1	66.1	66.1	66.1	66.1	66.1
≥ 1800	37.8	54.9	58.8	60.9	63.3	64.2	65.4	65.8	65.8	66.0	66.2	66.2	66.2	66.2	66.2	66.2
≥ 1500	38.0	55.8	59.7	61.8	64.2	65.1	66.4	66.8	66.8	67.0	67.2	67.2	67.2	67.2	67.2	67.2
≥ 1200	38.6	56.7	60.6	62.7	65.1	66.0	67.6	67.9	67.9	68.1	68.3	68.3	68.3	68.3	68.3	68.3
≥ 1000	38.9	57.2	61.1	63.3	66.0	66.9	68.4	68.8	68.8	69.0	69.2	69.2	69.2	69.2	69.2	69.2
≥ 900	38.9	57.4	61.4	63.7	66.6	67.4	69.0	69.3	69.3	69.6	69.8	69.8	69.8	69.8	69.8	69.8
≥ 800	39.3	58.0	62.4	64.9	67.9	68.8	70.3	70.7	70.7	70.9	71.1	71.1	71.1	71.1	71.1	71.1
≥ 700	39.4	58.3	62.9	65.4	68.6	69.7	71.2	71.7	71.7	71.9	72.1	72.1	72.1	72.1	72.1	72.1
≥ 600	39.6	58.8	63.7	66.6	70.1	71.2	72.8	73.4	73.4	73.7	73.9	73.9	73.9	73.9	73.9	73.9
≥ 500	39.6	59.0	63.9	67.8	72.1	73.6	76.1	77.0	77.2	77.4	77.7	77.7	77.7	77.7	77.7	77.7
≥ 400	39.6	59.3	64.7	69.0	73.9	75.8	79.0	80.7	81.1	81.4	81.7	81.7	81.7	81.7	81.7	81.7
≥ 300	39.7	59.7	65.1	69.8	75.2	77.3	81.2	84.1	84.9	85.3	85.6	85.6	85.7	85.7	85.7	85.7
≥ 200	39.7	59.8	65.2	69.9	75.4	78.0	83.0	87.0	88.0	89.1	91.1	91.2	91.7	91.8	91.9	91.9
≥ 100	39.7	59.8	65.2	69.9	75.4	78.0	83.1	87.2	88.2	89.6	91.9	92.0	93.4	94.0	96.9	97.9
≥ 0	39.7	59.8	65.2	69.9	75.4	78.0	83.1	87.2	88.2	89.6	91.9	92.0	93.4	94.0	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
65-64

STATION NAME
OTIS AFB MA

YEARS
66-70, 73, 75-80

MONTH
JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH
0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/10	≥1/8	≥0
NO CEILING	36.1	48.4	51.0	52.2	53.3	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000	37.2	49.7	52.2	53.4	54.6	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 18000	37.2	49.7	52.2	53.4	54.6	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 16000	37.2	49.7	52.2	53.4	54.6	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 14000	37.7	50.4	53.1	54.3	55.6	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000	39.7	51.8	54.4	55.7	56.9	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 10000	39.0	52.8	55.6	56.9	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 9000	39.0	52.8	55.6	56.9	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 8000	40.4	55.1	58.4	60.0	61.4	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 7000	41.1	55.8	59.4	61.0	62.6	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 6000	41.4	56.3	60.0	61.7	63.2	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 5000	42.3	57.3	61.0	62.7	64.2	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 4500	42.4	57.7	61.3	63.0	64.6	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 4000	44.2	59.7	63.3	65.0	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 3500	44.4	60.0	63.7	65.3	66.9	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 3000	45.3	61.0	64.7	66.4	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 2500	45.7	62.3	66.0	67.8	69.3	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 2000	47.8	64.3	68.1	70.0	71.8	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 1800	47.8	64.4	68.2	70.1	71.9	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 1500	49.4	67.2	71.1	73.1	74.9	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 1200	50.6	69.4	73.3	75.6	77.7	78.3	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 1000	51.0	70.0	74.2	76.6	78.9	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 900	51.2	70.8	75.1	77.4	79.9	80.7	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 800	51.6	72.4	76.9	79.6	82.3	83.1	83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 700	51.7	73.1	77.8	80.7	83.4	84.3	85.0	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 600	51.3	73.8	78.6	81.7	84.7	85.7	86.7	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 500	51.3	74.4	79.3	82.9	86.1	87.6	88.6	89.1	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3
≥ 400	51.3	75.4	80.8	84.7	88.6	90.1	91.9	92.8	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2
≥ 300	51.3	75.4	81.0	85.0	89.1	90.9	93.3	94.9	95.2	95.9	96.3	96.3	96.3	96.3	96.3	96.3
≥ 200	51.3	75.4	81.0	85.0	89.2	91.0	93.9	95.7	96.1	97.2	98.1	98.1	98.3	98.3	98.4	98.4
≥ 100	51.3	75.4	81.0	85.0	89.3	91.1	94.0	95.9	96.4	97.6	98.7	98.8	99.3	99.4	99.7	99.7
≥ 0	51.3	75.4	81.0	85.0	89.3	91.1	94.0	95.9	96.4	97.6	98.7	98.8	99.3	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 6A

STATION NAME OTIS AFB MA

YEARS 68-70,73,75-80

MONTH JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	34.3	47.6	49.1	51.3	53.3	53.5	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000	35.7	49.6	51.1	53.3	55.3	55.5	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 18000	35.9	49.7	51.2	53.4	55.4	55.6	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 16000	36.1	49.8	51.3	53.5	55.5	55.7	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 14000	36.4	50.9	52.4	54.6	56.8	57.1	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 12000	37.3	52.2	53.6	55.8	58.1	58.3	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 10000	38.9	54.4	55.8	58.1	60.3	60.5	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 9000	39.3	54.9	56.4	58.6	60.8	61.1	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 8000	40.7	57.5	59.6	61.8	64.1	64.3	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 7000	41.5	58.2	60.3	62.5	64.7	65.0	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 6000	41.6	58.4	60.5	62.7	65.4	65.6	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 5000	42.9	60.5	62.6	65.1	67.7	68.0	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 4500	43.1	60.6	62.7	65.2	67.9	68.1	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 4000	44.8	62.5	64.6	67.1	69.7	70.0	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 3500	45.3	63.2	65.3	67.7	70.4	70.6	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3000	47.1	65.5	67.7	70.2	72.9	73.1	73.5	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 2500	47.5	66.0	68.2	70.6	73.3	73.5	74.0	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 2000	48.5	67.9	70.1	73.0	76.0	76.2	77.1	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 1800	48.6	68.1	70.3	73.2	76.2	76.4	77.3	77.6	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 1500	49.7	69.7	72.0	74.9	77.9	78.2	79.1	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 1200	50.7	72.2	74.4	77.3	80.3	80.6	81.5	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 1000	51.6	73.4	76.0	79.0	82.1	82.5	83.5	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 900	51.8	74.4	77.2	80.2	83.3	83.8	85.0	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 800	52.4	75.3	78.1	81.2	84.5	85.0	86.3	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 700	52.5	76.2	79.5	82.9	86.5	87.2	88.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 600	52.7	76.6	80.5	84.0	87.7	88.3	89.9	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 500	52.7	77.3	81.5	85.4	89.4	90.2	92.0	93.4	93.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 400	52.8	77.8	82.0	86.0	90.5	91.5	93.5	95.3	95.4	96.9	97.0	97.0	97.0	97.0	97.0	97.0
≥ 300	52.8	77.8	82.1	86.2	91.2	92.2	94.5	96.7	96.8	98.4	98.7	98.7	98.8	98.8	98.8	98.8
≥ 200	52.8	77.8	82.1	86.2	91.2	92.3	94.8	96.9	97.1	98.8	99.3	99.3	99.6	99.6	99.6	99.6
≥ 100	52.8	77.8	82.1	86.2	91.2	92.3	94.8	97.0	97.3	99.0	99.7	99.7	99.9	99.9	100.0	100.0
≥ 0	52.8	77.8	82.1	86.2	91.2	92.3	94.8	97.0	97.3	99.0	99.7	99.7	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

USAF ETAC FORM 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2
GLOBAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

705 6P

OTIS AFB MA

68-70,73,75-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	33.1	44.3	45.7	49.3	51.8	51.7	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 20000	35.4	47.3	48.9	52.7	55.1	55.2	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 18000	35.4	47.3	48.9	52.7	55.1	55.2	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 16000	35.4	47.3	48.9	52.7	55.1	55.2	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 14000	37.4	49.8	51.3	55.1	57.6	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 12000	38.2	51.1	52.8	56.6	59.3	59.4	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 10000	40.0	53.6	55.4	59.2	62.1	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 9000	40.1	53.8	55.7	59.6	62.4	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 8000	41.6	55.7	58.0	62.2	65.1	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 7000	41.7	56.2	58.6	62.8	65.8	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 6000	42.3	56.9	59.1	63.3	66.3	66.4	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 5000	44.7	59.4	62.0	66.7	69.7	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 4500	44.7	59.9	62.4	67.1	70.1	70.2	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 4000	46.2	61.7	64.3	69.1	72.1	72.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 3500	46.6	62.2	64.9	69.7	72.7	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 3000	47.9	64.6	67.3	72.2	75.2	75.3	75.8	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2500	48.1	64.9	67.7	72.6	75.8	75.9	76.3	76.3	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 2000	48.9	66.0	68.8	73.7	77.0	77.1	77.6	77.6	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 1800	49.2	66.1	69.0	73.9	77.2	77.3	77.8	77.8	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1500	49.7	67.1	70.0	75.2	78.6	78.7	79.1	79.1	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1200	50.6	68.8	71.9	77.3	80.8	80.9	81.3	81.3	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 1000	51.1	70.1	73.3	78.8	82.6	82.7	83.2	83.2	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 900	51.3	70.4	73.7	79.1	83.0	83.1	83.9	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 800	52.2	72.3	75.7	81.1	85.2	85.3	86.1	86.4	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 700	52.4	73.4	76.9	82.4	86.6	86.7	87.6	88.0	88.2	88.6	88.6	88.6	88.7	88.7	88.7	88.7
≥ 600	52.7	73.9	77.3	83.2	87.4	87.6	88.9	89.3	89.6	89.9	89.9	89.9	90.0	90.0	90.0	90.0
≥ 500	52.8	74.7	78.2	84.3	88.6	88.7	90.4	90.9	91.1	91.8	91.8	91.8	91.9	91.9	91.9	91.9
≥ 400	52.7	75.2	78.8	85.2	89.8	90.2	92.3	93.2	93.6	94.4	94.4	94.4	94.6	94.6	94.6	94.6
≥ 300	52.9	75.4	79.2	85.7	90.7	91.3	93.7	94.8	95.3	96.7	96.8	96.8	96.9	96.9	96.9	96.9
≥ 200	52.9	75.6	79.4	85.9	91.1	91.9	94.2	95.4	96.7	98.1	98.8	99.0	99.6	99.6	99.6	99.6
≥ 100	52.9	75.6	79.4	85.9	91.1	91.9	94.2	95.4	96.7	98.2	99.1	99.3	100.0	100.0	100.0	100.0
≥ 0	52.9	75.6	79.4	85.9	91.1	91.9	94.2	95.4	96.7	98.2	99.1	99.3	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

ALBANY CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NO. 68

OTIS AFB MA

68-70,73,75-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1950-2000
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	27.3	39.6	41.9	44.1	45.7	46.8	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 2000	30.5	42.2	44.5	46.9	49.6	49.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 1800	30.5	42.2	44.5	46.9	49.6	49.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 1600	30.5	42.2	44.5	46.9	49.6	49.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 1400	32.5	44.4	46.8	49.4	52.2	52.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 1200	33.2	45.7	48.0	50.9	54.0	54.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 1000	36.2	50.0	52.7	55.7	58.9	59.1	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 900	36.4	50.2	52.9	55.9	59.1	59.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 800	37.5	52.3	55.1	58.1	61.4	61.6	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 700	37.9	53.1	55.9	58.9	62.1	62.4	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 600	38.8	54.1	56.9	60.1	63.4	63.6	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 500	40.2	56.3	59.4	62.9	66.4	66.6	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 450	40.6	57.1	60.1	63.7	67.1	67.4	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 400	41.5	58.9	62.5	66.1	69.8	70.0	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 1500	41.3	59.2	62.9	66.6	70.3	70.7	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 1000	42.0	60.7	64.4	68.2	72.2	72.6	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 750	42.0	60.9	64.8	68.6	72.7	73.2	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 500	42.0	61.1	65.1	68.9	73.3	73.7	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 1800	42.0	61.1	65.1	68.9	73.3	73.7	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 1500	42.0	61.4	65.5	69.4	73.8	74.3	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 1200	42.0	61.4	65.6	69.5	73.9	74.4	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 1000	42.3	61.7	65.9	69.8	74.4	74.8	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 900	42.4	62.4	66.7	70.7	75.3	75.8	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 800	42.3	63.1	67.6	71.7	76.5	77.1	78.8	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 700	43.0	63.5	68.0	72.3	77.3	78.0	80.1	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 600	43.1	65.3	70.0	74.4	79.8	80.7	83.1	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0
IV 500	43.3	66.1	71.2	75.8	81.5	82.5	85.2	86.6	86.7	87.0	87.1	87.1	87.1	87.1	87.1	87.1
IV 400	43.3	66.8	72.4	77.1	83.0	84.0	87.0	88.6	88.9	89.5	89.6	89.6	89.6	89.6	89.6	89.6
IV 300	43.3	67.1	72.8	78.0	84.4	85.5	89.0	90.8	91.5	92.4	92.7	92.7	92.9	92.9	92.9	92.9
IV 200	43.3	67.3	72.9	78.1	84.9	86.1	89.9	92.0	93.1	94.1	94.7	94.8	95.7	95.8	96.0	96.0
IV 100	43.3	67.3	72.9	78.1	84.9	86.1	89.9	92.1	93.2	94.7	95.7	95.8	97.1	97.2	98.1	98.2
IV 0	43.3	67.3	72.9	78.1	84.9	86.1	89.9	92.1	93.2	94.7	95.8	95.9	97.3	97.4	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 895

2

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1957-60

OTIS AFB MA

68-70,73,75-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/4	≥ 0
NO CEILING	25.5	42.3	43.8	45.2	47.8	47.9	48.7	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 20000	25.6	43.0	44.5	46.1	48.7	48.8	49.6	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 18000	25.6	43.0	44.5	46.1	48.7	48.8	49.6	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 16000	25.6	43.0	44.5	46.1	48.7	48.8	49.6	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 14000	25.9	43.5	45.3	47.1	49.7	49.8	50.6	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 12000	26.3	43.9	45.7	47.4	51.0	50.1	51.2	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 10000	28.1	46.8	48.6	50.6	53.2	53.3	54.8	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 9000	28.4	47.1	48.9	50.9	53.6	53.7	55.1	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 8000	29.1	48.8	50.6	52.6	55.3	55.6	57.0	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 7000	29.1	49.0	50.8	52.8	55.6	55.8	57.2	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 6000	30.0	50.1	52.0	54.1	57.1	57.3	59.0	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 5000	31.3	53.3	55.2	57.6	60.8	61.0	62.8	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 4500	32.5	54.1	56.0	58.4	61.6	61.8	63.6	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 4000	33.1	55.7	58.0	60.4	63.6	63.8	65.8	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 3500	33.2	56.2	58.7	61.0	64.3	64.5	66.5	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 3000	33.3	56.9	59.5	61.8	65.1	65.5	67.6	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 2500	33.3	57.3	60.2	62.6	65.9	66.3	68.4	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 2000	33.4	57.5	60.4	62.8	66.3	66.6	68.8	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 1800	33.4	57.6	60.5	62.9	66.4	66.7	68.9	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 1500	33.4	57.9	60.8	63.3	66.7	67.0	69.3	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 1200	33.7	58.4	61.2	63.8	67.5	67.8	70.0	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 1000	34.3	59.0	61.9	64.5	68.2	68.5	70.7	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 900	34.5	59.5	62.4	65.0	68.7	69.0	71.4	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 800	34.5	59.8	62.7	65.4	69.0	69.5	71.8	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 700	34.5	60.2	63.3	66.3	69.7	70.2	72.7	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 600	35.0	60.8	63.9	66.8	70.8	71.4	74.1	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 500	35.0	61.2	64.7	67.9	72.6	73.3	76.2	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 400	35.0	61.9	65.7	69.3	74.4	75.3	78.6	79.7	80.8	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 300	35.0	61.9	65.8	69.9	76.2	77.5	81.4	82.9	84.4	85.1	85.1	85.1	85.2	85.2	85.2	85.2
≥ 200	35.0	61.9	65.8	70.0	76.7	78.2	82.6	84.9	86.7	88.1	89.1	89.1	89.6	89.9	89.9	90.0
≥ 100	35.0	61.9	65.8	70.0	76.8	78.3	82.7	85.2	87.9	90.6	92.7	92.8	94.5	95.1	96.7	97.1
≥ 0	35.0	61.9	65.8	70.0	76.8	78.3	82.7	85.2	87.9	90.6	92.7	92.8	95.0	95.5	97.8	98.0

TOTAL NUMBER OF OBSERVATIONS 898

USAF ETAC FORM 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1200
JUL 64
AFETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 64 OTIS AFB MA YEARS 60-70,73,75-80 MONTH JUN
STATION NAME PERCENTAGE FREQUENCY OF OCCURRENCE ALL
(FROM HOURLY OBSERVATIONS) HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO. OBS.	29.4	41.2	43.5	45.4	47.5	47.9	48.5	48.8	48.8	48.9	48.9	48.9	49.0	49.0	49.1	49.1
≥ 2000	30.4	43.3	45.1	47.1	49.2	49.6	50.3	50.5	50.6	50.7	50.7	50.7	50.8	50.8	50.8	50.9
≥ 1800	30.4	43.3	45.2	47.1	49.2	49.6	50.3	50.5	50.6	50.7	50.7	50.7	50.8	50.8	50.8	50.9
≥ 1600	30.4	43.3	45.2	47.2	49.2	49.6	50.3	50.6	50.7	50.8	50.8	50.8	50.8	50.9	50.9	50.9
≥ 1400	31.2	44.4	46.3	48.4	50.5	50.9	51.6	51.9	52.0	52.1	52.1	52.1	52.2	52.2	52.2	52.2
≥ 1200	31.7	45.3	47.2	49.4	51.6	52.0	52.8	53.0	53.1	53.2	53.2	53.2	53.3	53.3	53.3	53.4
≥ 1000	33.3	47.8	49.9	52.1	54.4	54.9	55.8	56.0	56.1	56.2	56.3	56.3	56.3	56.3	56.4	56.4
≥ 900	33.5	48.0	50.1	52.4	54.7	55.1	56.1	56.3	56.4	56.5	56.5	56.5	56.5	56.6	56.7	56.7
≥ 800	34.5	49.7	52.1	54.4	56.8	57.3	58.3	58.6	58.6	58.7	58.8	58.8	58.8	58.9	58.9	58.9
≥ 700	35.1	50.6	53.0	55.3	57.8	58.3	59.3	59.6	59.6	59.7	59.8	59.8	59.8	59.9	59.9	59.9
≥ 600	35.6	51.3	53.8	56.2	58.8	59.2	60.3	60.6	60.7	60.8	60.8	60.8	60.8	60.9	60.9	60.9
≥ 500	36.3	53.4	56.0	58.6	61.3	61.7	62.8	63.1	63.2	63.3	63.4	63.4	63.4	63.4	63.5	63.5
≥ 4500	37.2	53.8	56.4	59.0	61.7	62.2	63.3	63.6	63.7	63.8	63.8	63.8	63.9	63.9	63.9	63.9
≥ 4000	38.3	55.5	58.2	60.9	63.6	64.1	65.3	65.7	65.7	65.8	65.9	65.9	65.9	65.9	66.0	66.0
≥ 3500	38.5	56.0	58.8	61.4	64.3	64.8	65.9	66.3	66.4	66.5	66.5	66.5	66.6	66.6	66.6	66.7
≥ 3000	39.3	57.3	60.2	62.9	65.7	66.3	67.5	67.9	68.0	68.2	68.2	68.2	68.3	68.3	68.3	68.3
≥ 2500	39.7	57.9	61.0	63.7	66.6	67.2	68.4	68.9	68.9	69.1	69.1	69.1	69.2	69.2	69.2	69.3
≥ 2000	40.2	58.9	62.0	64.8	67.9	68.5	69.8	70.2	70.3	70.5	70.5	70.5	70.6	70.6	70.6	70.6
≥ 1800	40.2	59.0	62.1	64.9	68.0	68.6	69.9	70.4	70.5	70.6	70.7	70.7	70.7	70.8	70.8	70.8
≥ 1500	40.7	60.0	63.2	66.1	69.2	69.8	71.1	71.6	71.7	71.9	71.9	71.9	72.0	72.0	72.0	72.0
≥ 1200	41.3	61.2	64.4	67.3	70.6	71.2	72.6	73.1	73.2	73.4	73.4	73.4	73.4	73.5	73.5	73.5
≥ 1000	41.7	61.9	65.2	68.2	71.5	72.2	73.6	74.2	74.3	74.4	74.5	74.5	74.5	74.6	74.6	74.6
≥ 900	41.8	62.3	65.7	68.7	72.2	72.9	74.4	75.0	75.1	75.3	75.3	75.3	75.3	75.4	75.4	75.5
≥ 800	42.2	63.2	66.7	69.8	73.5	74.2	75.7	76.4	76.5	76.7	76.7	76.7	76.8	76.8	76.9	76.9
≥ 700	42.3	63.7	67.4	70.7	74.6	75.4	77.1	78.0	78.1	78.3	78.3	78.3	78.4	78.4	78.4	78.5
≥ 600	42.5	64.4	68.3	71.7	75.9	76.8	78.7	79.7	79.8	80.0	80.1	80.1	80.1	80.2	80.2	80.2
≥ 500	42.5	65.1	69.1	73.0	77.6	78.6	81.0	82.2	82.4	82.8	82.9	82.9	83.0	83.0	83.0	83.0
≥ 400	42.6	65.7	70.0	74.2	79.3	80.6	83.5	85.1	85.6	86.3	86.4	86.4	86.5	86.5	86.5	86.6
≥ 300	42.6	65.8	70.3	74.7	80.4	81.9	85.4	87.5	88.3	89.3	89.5	89.5	89.7	89.7	89.7	89.8
≥ 200	42.6	65.8	70.4	74.8	80.8	82.4	86.4	89.0	90.1	91.7	92.7	92.8	93.2	93.4	93.5	93.5
≥ 100	42.6	65.8	70.4	74.8	80.9	82.5	86.6	89.2	90.5	92.6	94.2	94.3	95.7	96.2	97.5	97.9
≥ 0	42.6	65.8	70.4	74.8	80.9	82.5	86.6	89.2	90.5	92.6	94.2	94.3	95.9	96.3	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 7185

U.S. AIR FORCE
 CLIMATE BRANCH
 WASHINGTON, D.C.

CEILING VERSUS VISIBILITY

STATION: FT. S. AFB MA

66-70, 73, 75-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1936-1950
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	23.1	36.1	39.4	41.3	44.0	44.9	47.3	49.0	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.7
≥ 2000	23.1	36.9	39.4	42.0	44.7	45.7	48.1	49.9	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.5
≥ 1800	23.1	36.9	39.4	42.0	44.7	45.7	48.1	49.9	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.5
≥ 1600	23.1	36.9	39.4	42.0	44.7	45.7	48.1	49.9	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.5
≥ 1400	23.1	38.1	41.4	43.2	46.2	47.2	49.6	51.4	51.7	51.8	51.8	51.8	51.8	51.8	51.8	52.0
≥ 1200	24.2	38.9	41.4	44.2	47.2	48.2	50.5	52.4	52.7	52.8	52.8	52.8	52.8	52.8	52.8	53.0
≥ 1000	24.7	40.8	43.4	46.2	49.4	50.3	52.7	54.5	54.8	54.9	54.9	54.9	54.9	54.9	54.9	55.2
≥ 900	24.7	40.8	43.4	46.2	49.4	50.3	52.7	54.5	54.8	54.9	54.9	54.9	54.9	54.9	54.9	55.2
≥ 800	25.6	43.1	45.9	48.9	52.2	53.3	56.0	57.8	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.5
≥ 700	25.6	43.5	46.2	49.4	52.6	53.8	56.5	58.3	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.9
≥ 600	26.3	44.5	47.2	50.5	53.8	54.9	57.6	59.7	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.4
≥ 500	27.7	46.9	49.6	53.1	56.3	57.5	60.2	62.3	62.7	62.8	62.8	62.8	62.8	62.8	62.8	63.0
≥ 450	27.8	47.0	49.7	53.2	56.5	57.6	60.3	62.4	62.8	62.9	62.9	62.9	62.9	62.9	62.9	63.1
≥ 400	27.8	47.1	49.8	53.5	57.1	58.3	61.0	63.0	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.8
≥ 350	28.0	47.2	49.9	53.7	57.2	58.4	61.2	63.2	63.7	63.8	63.8	63.8	63.8	63.8	63.8	64.0
≥ 300	28.0	48.0	50.8	54.5	58.2	59.4	62.4	64.4	64.8	64.9	64.9	64.9	64.9	64.9	64.9	65.2
≥ 250	28.4	48.2	51.1	54.7	58.5	59.7	62.7	64.7	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.7
≥ 200	28.5	48.4	51.2	55.1	58.8	60.0	63.1	65.2	65.8	65.9	65.9	65.9	65.9	65.9	65.9	66.1
≥ 1800	28.5	48.4	51.2	55.1	58.8	60.1	63.1	65.2	65.8	65.9	65.9	65.9	65.9	65.9	65.9	66.1
≥ 1600	28.5	48.4	51.2	55.1	58.8	60.1	63.1	65.2	65.8	65.9	65.9	65.9	65.9	65.9	65.9	66.1
≥ 1400	29.0	49.5	52.3	56.1	60.0	61.3	64.6	66.7	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.6
≥ 1200	29.4	50.2	53.0	56.9	61.0	62.3	65.8	67.8	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.8
≥ 1000	29.4	50.9	53.7	57.6	61.9	63.2	66.8	68.8	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.8
≥ 900	29.8	51.7	54.7	58.7	63.2	64.5	68.3	70.3	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.3
≥ 800	29.8	52.2	55.6	59.7	64.4	65.7	69.1	72.2	72.8	72.9	72.9	72.9	72.9	72.9	72.9	73.1
≥ 700	29.8	52.7	56.2	60.4	66.1	67.5	72.5	74.5	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.5
≥ 600	29.8	53.3	57.1	61.5	67.5	68.9	74.6	76.7	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.7
≥ 500	29.8	53.9	58.2	63.1	69.5	71.0	76.8	78.9	79.8	80.3	80.3	80.3	80.3	80.3	80.3	80.6
≥ 400	29.8	54.2	58.5	63.4	70.2	71.7	77.8	80.6	81.9	82.9	83.0	83.0	83.1	83.1	83.1	83.3
≥ 300	29.8	54.2	58.5	63.4	70.4	72.2	78.8	82.4	83.7	85.8	86.6	86.6	87.4	87.5	87.6	87.8
≥ 200	29.8	54.2	58.5	63.4	70.4	72.2	79.0	83.0	84.4	87.4	89.4	89.5	92.7	92.9	94.8	95.8
≥ 100	29.8	54.2	58.5	63.4	70.4	72.2	79.0	83.0	84.4	87.4	89.5	89.6	92.9	93.3	96.0	100.0
≥ 0	29.8	54.2	58.5	63.4	70.4	72.2	79.0	83.0	84.4	87.4	89.5	89.6	92.9	93.3	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

FEDERAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 6P DTIS AFB MA

66-70,73,75-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1977-0500

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥1/32
NOT DEFINED	32.2	34.5	36.4	39.1	39.7	41.7	42.9	43.1	43.5	43.9	43.9	44.7	44.7	44.7	44.4	44.4
≥ 2000	1.3	33.1	35.5	37.4	43.4	40.9	43.0	44.2	44.4	44.8	45.2	45.2	45.3	45.3	45.7	45.7
≥ 1800	1.3	33.1	35.5	37.5	43.5	41.1	43.1	44.3	44.5	44.9	45.3	45.3	45.4	45.4	45.8	45.8
≥ 1600	1.3	33.1	35.5	37.5	43.5	41.1	43.1	44.3	44.5	44.9	45.3	45.3	45.4	45.4	45.8	45.8
≥ 1400	21.8	34.8	37.4	39.4	42.7	43.4	45.7	46.9	47.1	47.5	47.8	47.8	48.0	48.0	48.4	48.4
≥ 1200	22.3	36.2	38.9	40.9	44.2	44.9	47.2	48.4	48.6	49.3	49.4	49.4	49.5	49.5	49.9	49.9
≥ 1000	24.0	35.6	41.3	43.4	46.9	47.6	50.1	51.3	51.5	51.9	52.4	52.4	52.5	52.5	52.9	52.9
≥ 900	24.0	35.7	41.4	43.5	47.0	47.7	50.2	51.4	51.6	52.0	52.5	52.5	52.6	52.6	53.0	53.0
≥ 800	24.5	40.2	43.2	45.7	49.4	50.2	53.0	54.4	54.7	55.3	55.6	56.1	56.6	56.6	56.7	56.7
≥ 700	24.7	40.9	44.0	46.6	50.2	51.1	53.9	55.3	55.6	56.1	56.6	56.6	56.7	56.7	57.1	57.3
≥ 600	24.7	42.1	45.2	47.7	51.4	52.4	55.2	56.6	57.1	57.7	58.1	58.1	58.2	58.2	58.6	58.6
≥ 500	25.6	44.2	47.2	49.6	53.7	54.6	57.4	58.9	59.6	60.1	60.6	60.6	60.7	60.7	61.1	61.3
≥ 450	25.7	44.6	47.6	50.2	54.2	55.2	58.0	59.6	60.3	60.9	61.3	61.3	61.4	61.4	61.9	62.1
≥ 400	26.3	45.2	48.2	50.8	54.7	55.8	58.7	60.3	61.1	61.7	62.2	62.2	62.3	62.3	62.7	62.9
≥ 350	27.7	45.4	48.4	51.0	55.0	56.0	58.9	60.6	61.3	62.0	62.4	62.4	62.5	62.5	62.9	63.1
≥ 300	27.7	46.1	49.1	51.7	55.7	57.1	60.1	61.7	62.5	63.1	63.6	63.6	63.7	63.7	64.1	64.3
≥ 250	27.8	46.3	49.4	51.9	55.9	57.3	60.3	62.0	62.7	63.4	63.9	63.9	63.9	63.9	64.3	64.5
≥ 200	27.8	46.4	49.6	52.3	56.3	57.8	60.9	62.5	63.4	64.1	64.5	64.5	64.7	64.7	65.1	65.3
≥ 180	27.8	46.4	49.6	52.3	56.3	57.8	60.9	62.5	63.4	64.1	64.5	64.5	64.7	64.7	65.1	65.3
≥ 150	27.8	46.6	49.8	52.5	56.6	58.2	61.3	63.0	63.9	64.7	65.1	65.1	65.2	65.2	65.6	65.6
≥ 120	28.1	46.8	50.0	52.8	57.1	58.8	62.0	63.7	64.5	65.3	65.7	65.7	65.8	65.8	66.3	66.5
≥ 100	28.3	47.4	50.6	53.6	58.0	59.7	62.8	64.5	65.4	66.2	66.6	66.6	66.7	66.7	67.1	67.3
≥ 90	28.3	47.7	51.2	54.1	58.8	60.7	63.9	65.6	66.5	67.2	67.7	67.7	67.8	67.8	68.2	68.4
≥ 80	28.4	48.5	52.7	55.0	59.7	61.7	65.1	66.8	67.7	68.4	68.9	68.9	69.0	69.0	69.4	69.6
≥ 70	28.6	49.0	52.7	56.0	61.1	63.3	67.0	68.8	69.7	70.5	70.9	70.9	71.0	71.0	71.4	71.7
≥ 60	28.7	49.8	53.4	56.8	62.1	64.9	69.0	71.0	72.0	72.8	73.3	73.3	73.4	73.4	73.8	74.0
≥ 50	28.7	50.8	54.8	58.9	64.1	66.9	71.8	73.9	74.9	75.8	76.3	76.3	76.5	76.5	76.9	77.2
≥ 40	28.8	51.3	55.5	59.6	65.9	68.9	74.2	76.6	77.6	78.7	79.4	79.4	79.6	79.6	80.1	80.3
≥ 30	28.8	51.5	55.9	60.0	66.7	69.7	76.3	79.2	80.3	81.9	83.3	83.3	83.7	83.7	84.2	84.4
≥ 20	28.8	51.5	55.9	60.0	66.9	69.9	76.9	80.4	81.5	84.1	86.3	86.3	87.6	87.6	88.4	88.6
≥ 10	28.8	51.5	55.9	60.0	66.9	69.9	76.9	80.6	81.7	84.7	88.8	88.9	91.6	91.6	94.6	95.7
≥ 0	28.8	51.5	55.9	60.0	66.9	69.9	76.9	80.6	81.7	84.7	88.9	89.0	91.9	92.3	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 927

JOURNAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

OFF BR

OTIS AFB MA

66-70,73,75-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-1800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32
NO CEILING	24.3	34.2	37.1	39.1	40.9	42.3	43.7	43.8	43.9	44.1	44.3	44.3	44.3	44.3	44.4	44.4
≥ 20000	25.3	35.7	38.6	40.9	42.7	44.1	45.5	45.6	45.7	45.9	46.1	46.1	46.1	46.1	46.2	46.2
≥ 18000	25.3	35.7	38.6	41.0	42.8	44.3	45.7	45.8	45.9	46.1	46.3	46.3	46.3	46.3	46.5	46.5
≥ 16000	25.3	35.7	38.6	41.0	42.8	44.3	45.7	45.8	45.9	46.1	46.3	46.3	46.3	46.3	46.5	46.5
≥ 14000	26.3	38.0	41.0	43.4	45.3	47.0	48.5	48.9	49.0	49.2	49.5	49.5	49.5	49.5	49.6	49.6
≥ 12000	27.1	38.9	41.9	44.8	46.8	48.6	50.1	50.5	50.6	50.9	51.1	51.1	51.1	51.1	51.2	51.2
≥ 10000	28.1	40.9	44.1	47.4	49.5	51.4	52.9	53.4	53.5	53.8	54.0	54.0	54.0	54.0	54.1	54.1
≥ 9000	28.4	41.5	44.8	48.2	50.2	52.2	53.7	54.2	54.3	54.5	54.7	54.7	54.7	54.7	54.8	54.8
≥ 8000	30.4	44.1	47.8	51.3	53.7	55.7	57.4	58.1	58.3	58.5	58.7	58.7	58.7	58.7	58.8	58.8
≥ 7000	31.1	45.3	49.0	52.5	54.8	57.0	58.7	59.4	59.6	59.8	60.1	60.1	60.1	60.1	60.2	60.2
≥ 6000	31.7	46.7	50.6	54.1	56.9	59.1	60.9	61.5	61.7	61.9	62.3	62.3	62.3	62.3	62.4	62.4
≥ 5000	33.4	48.5	52.5	56.0	58.9	61.2	63.0	63.7	64.0	64.2	64.5	64.5	64.5	64.5	64.6	64.6
≥ 4500	33.7	48.8	52.8	56.5	59.4	61.6	63.4	64.1	64.4	64.6	64.9	64.9	64.9	64.9	65.1	65.1
≥ 4000	33.7	49.2	53.2	56.9	59.8	62.0	64.0	64.6	64.9	65.2	65.5	65.5	65.5	65.5	65.6	65.6
≥ 3500	33.7	49.2	53.2	56.9	59.8	62.0	64.0	64.6	64.9	65.2	65.5	65.5	65.5	65.5	65.6	65.6
≥ 3000	34.7	49.8	53.8	57.5	60.4	62.7	64.8	65.6	65.9	66.1	66.5	66.5	66.5	66.5	66.6	66.6
≥ 2500	34.1	50.1	54.1	57.8	60.9	63.3	65.5	66.2	66.6	66.8	67.1	67.1	67.1	67.1	67.2	67.2
≥ 2000	34.4	51.0	54.9	58.7	61.7	64.2	66.3	67.1	67.4	67.6	68.0	68.0	68.0	68.0	68.1	68.1
≥ 1800	34.5	51.1	55.1	58.8	61.8	64.3	66.5	67.2	67.5	67.7	68.1	68.1	68.1	68.1	68.2	68.2
≥ 1500	34.7	51.8	55.8	59.6	62.6	65.1	67.2	68.1	68.4	68.6	68.9	68.9	68.9	68.9	69.0	69.0
≥ 1200	35.1	52.3	56.2	60.0	63.1	65.6	67.8	68.8	69.2	69.6	69.9	69.9	69.9	69.9	70.0	70.0
≥ 1000	35.3	52.8	56.9	60.6	64.2	66.7	69.0	70.1	70.5	70.9	71.2	71.2	71.2	71.2	71.3	71.3
≥ 900	35.7	53.8	57.8	61.8	65.6	68.2	70.6	71.7	72.2	72.5	72.8	72.8	72.8	72.8	72.9	72.9
≥ 800	36.0	54.3	58.5	62.5	66.2	68.8	71.3	72.5	72.9	73.2	73.5	73.5	73.5	73.5	73.7	73.7
≥ 700	36.2	54.6	58.8	63.0	67.7	71.0	73.5	74.8	75.4	75.7	76.0	76.0	76.0	76.0	76.1	76.1
≥ 600	36.2	55.3	59.6	64.2	69.2	73.1	76.2	78.0	78.6	79.2	79.7	79.7	79.7	79.7	79.8	79.8
≥ 500	36.3	56.2	61.7	65.8	71.1	75.2	78.5	80.2	81.1	81.8	82.4	82.4	82.5	82.5	82.6	82.6
≥ 400	36.3	56.8	61.7	67.1	72.8	77.0	81.0	83.2	84.2	85.3	86.0	86.0	86.1	86.1	86.2	86.2
≥ 300	36.3	57.0	62.2	68.0	74.1	78.4	83.0	85.5	86.7	88.3	89.4	89.4	89.7	89.8	89.9	89.9
≥ 200	36.3	57.0	62.3	68.1	74.4	78.9	83.9	86.5	87.7	90.2	91.6	91.7	92.6	92.9	93.1	93.1
≥ 100	35.5	57.1	62.4	68.2	74.6	79.1	84.1	87.1	88.4	91.3	93.3	93.5	94.9	95.4	96.9	97.7
≥ 0	36.5	57.1	62.4	68.2	74.6	79.1	84.1	87.1	88.4	91.3	93.3	93.5	95.2	95.6	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
68

STATION NAME
OTIS AFB MA

YEARS
68-70, 73, 75-80

MONTH
JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	30.2	43.4	46.2	48.3	52.0	53.2	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 2000	31.5	45.9	49.8	51.0	54.8	56.0	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 1800	31.5	45.9	48.8	51.0	54.8	56.0	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 1600	31.5	45.9	48.8	51.0	54.8	56.0	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 1400	32.3	46.0	50.9	53.2	56.9	58.1	58.4	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 1200	33.0	47.4	52.5	54.8	58.6	59.7	60.1	60.1	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 1000	34.1	51.5	54.8	57.3	61.0	62.3	62.6	62.6	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 900	34.2	52.0	55.3	57.8	61.6	62.9	63.2	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 800	35.4	54.1	57.8	60.5	64.5	65.8	66.1	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 700	36.4	55.7	59.3	62.0	66.0	67.3	67.6	67.6	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 600	38.0	57.4	61.0	63.8	67.9	69.2	69.5	69.5	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 500	38.6	58.1	61.9	64.7	68.8	70.2	70.6	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 450	38.6	58.2	62.0	64.8	68.9	70.3	70.8	70.8	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 400	39.7	59.1	62.9	65.7	69.8	71.2	71.7	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 350	39.1	59.3	63.1	65.9	70.0	71.4	71.9	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 300	39.3	60.0	63.9	66.8	70.9	72.4	73.0	73.0	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 250	39.6	60.5	64.5	67.4	71.5	73.3	73.8	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 200	40.0	61.4	65.4	68.4	72.6	74.4	74.9	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 180	40.4	61.7	65.8	68.7	72.9	74.7	75.2	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 150	41.1	63.3	67.6	70.6	74.8	76.6	77.2	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 120	42.3	65.4	70.3	73.7	78.3	80.3	81.1	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 100	43.3	67.7	72.6	76.1	80.6	82.7	83.5	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 90	43.4	68.1	73.0	76.9	81.4	83.4	84.3	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 80	43.7	69.2	74.4	78.3	82.9	85.0	86.0	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 70	44.1	70.4	75.7	79.8	84.6	87.0	88.2	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 60	44.5	71.2	76.9	81.4	86.4	89.1	90.6	90.9	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 50	44.6	71.7	77.6	82.5	88.1	91.0	92.5	92.8	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 40	44.6	71.7	77.9	82.9	89.0	92.0	94.3	95.5	96.0	96.4	96.7	96.7	96.7	96.7	96.7	96.7
≥ 30	44.7	71.9	78.1	83.1	89.6	92.8	95.0	96.3	97.2	98.1	98.4	98.4	98.5	98.5	98.5	98.5
≥ 20	44.7	71.9	78.1	83.1	89.6	92.9	95.2	96.7	97.5	98.6	98.9	98.9	99.1	99.2	99.2	99.2
≥ 10	44.7	71.9	78.1	83.1	89.6	92.9	95.2	96.8	97.6	98.8	99.1	99.1	99.5	99.6	99.8	99.9
≥ 0	44.7	71.9	78.1	83.1	89.6	92.9	95.2	96.8	97.6	98.8	99.1	99.1	99.5	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 929

2
 ALPHAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

100-68 OTIS AFB MA

66-70,73,75-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	32.2	46.2	49.8	52.0	55.3	57.0	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 20000	33.7	48.2	51.8	54.4	58.7	59.4	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 18000	33.7	48.3	51.9	54.5	59.8	59.5	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 16000	33.7	48.3	51.9	54.5	59.8	59.5	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 14000	35.3	51.0	53.7	57.3	61.6	62.3	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 12000	35.3	51.4	54.4	58.3	62.6	63.2	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 10000	36.1	53.3	56.7	61.5	65.9	66.8	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 9000	36.1	53.4	56.8	61.7	66.1	67.0	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 8000	37.4	55.4	58.8	63.9	68.3	69.2	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 7000	37.7	55.8	59.2	64.4	68.8	69.8	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 6000	38.8	57.1	60.5	65.7	70.1	71.1	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 5000	38.9	57.4	61.3	66.1	70.9	71.8	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4500	39.1	57.6	61.4	66.6	71.3	72.3	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4000	39.6	58.6	62.7	67.8	72.6	73.5	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3500	40.2	59.5	63.7	68.8	73.5	74.5	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 3000	41.2	61.6	65.8	71.0	75.7	76.7	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2500	41.4	62.2	66.5	71.6	76.3	77.3	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	42.4	64.3	68.9	74.4	79.2	80.2	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1800	42.4	64.5	69.1	74.6	79.5	80.4	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 1500	44.0	67.4	72.3	77.7	82.8	83.8	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1200	45.2	69.7	74.9	80.6	85.8	86.8	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1000	45.7	71.3	76.9	82.8	88.2	89.1	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 900	46.1	72.4	78.3	84.2	89.6	90.5	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 800	46.3	73.0	79.6	85.6	91.1	92.0	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 700	46.5	73.7	80.2	86.6	92.2	93.3	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 600	46.6	74.1	80.9	87.5	93.5	94.7	96.7	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 500	46.6	74.2	81.3	88.1	94.2	95.4	97.4	98.0	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400	46.6	74.3	81.5	88.3	94.5	95.7	97.8	98.5	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	46.6	74.3	81.5	88.4	94.7	96.2	98.4	99.0	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	46.6	74.3	81.5	88.4	94.7	96.2	98.4	99.0	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	46.6	74.3	81.5	88.4	94.7	96.2	98.4	99.0	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	46.6	74.3	81.5	88.4	94.7	96.2	98.4	99.0	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-3 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

JUL 68

OTIS AFB MA

68-70,73,75-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	33.1	42.9	46.1	50.5	54.6	55.5	57.1	57.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 20000	31.4	44.8	48.3	52.9	56.9	58.0	59.5	59.7	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 18000	31.3	45.1	48.7	53.2	57.3	58.3	59.8	60.1	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 16000	31.4	45.1	49.7	53.2	57.3	58.3	59.8	60.1	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 14000	33.3	47.8	51.3	55.9	61.0	61.0	62.5	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 12000	33.7	48.8	52.4	57.1	61.1	62.3	63.8	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 10000	35.1	51.2	55.0	60.4	64.9	66.1	67.7	67.9	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 9000	35.4	51.7	55.5	60.9	65.6	66.7	68.4	68.6	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 8000	37.4	54.6	58.7	64.2	68.8	70.0	71.6	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 7000	37.5	55.0	59.1	64.6	69.2	70.4	72.0	72.2	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 6000	38.3	56.2	60.4	65.9	70.5	71.7	73.3	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 5000	39.1	57.1	61.6	67.1	71.8	73.0	74.6	74.8	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 4500	39.3	57.8	62.3	67.8	72.6	73.7	75.3	75.6	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 4000	39.6	58.4	63.1	68.7	74.0	75.1	77.0	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3500	39.9	58.9	63.5	69.1	74.5	75.7	77.5	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 3000	40.7	60.3	64.9	70.5	76.2	77.4	79.4	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 2500	41.0	60.9	65.6	71.2	77.0	78.1	80.2	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 2000	42.1	62.4	67.3	72.9	78.8	80.0	82.2	82.5	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1800	42.2	62.6	67.5	73.1	79.0	80.2	82.5	82.7	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1500	43.5	64.7	69.6	75.6	81.5	82.7	84.9	85.1	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 1200	44.5	66.4	71.5	77.6	83.9	85.0	87.3	87.5	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1000	44.9	68.2	73.3	79.8	86.3	87.7	90.1	90.4	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 900	45.1	68.9	74.1	80.6	87.2	88.8	91.2	91.5	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 800	45.1	69.9	75.3	82.1	88.7	90.3	92.8	93.1	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 700	45.1	70.6	76.2	83.2	89.9	91.9	94.5	94.9	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 600	45.4	70.7	76.3	83.7	90.5	92.9	95.6	96.1	96.1	96.4	96.6	96.6	96.6	96.6	96.6	96.6
≥ 500	45.4	70.8	76.5	84.0	90.7	93.1	95.9	96.6	96.6	97.0	97.1	97.1	97.1	97.1	97.1	97.1
≥ 400	45.4	70.8	76.6	84.2	91.0	93.6	96.4	97.5	97.6	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 300	45.4	70.9	76.7	84.3	91.1	93.9	96.8	97.8	98.4	99.0	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	45.4	70.9	76.7	84.3	91.1	94.0	96.9	98.0	98.5	99.4	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	45.4	70.9	76.7	84.3	91.1	94.0	96.9	98.0	98.5	99.4	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	45.4	70.9	76.7	84.3	91.1	94.0	96.9	98.0	98.5	99.4	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

929

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2
JULIAL CLIMATOLOGY BRANCH
USAF ETAC
ATMOSPHERIC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

100-69

OTIS AFB MA

68-70,73,75-PJ

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING	24.7	37.3	41.3	43.9	48.1	47.1	50.9	51.5	51.7	52.3	52.3	52.3	52.5	52.5	52.5	52.5
≥ 20000	26.3	39.6	42.7	46.5	50.9	52.1	53.9	54.5	54.7	55.3	55.3	55.3	55.6	55.6	55.6	55.6
≥ 18000	26.3	39.7	42.8	46.6	51.0	52.2	54.0	54.6	54.8	55.4	55.4	55.4	55.7	55.7	55.7	55.7
≥ 16000	26.5	39.9	43.1	46.8	51.2	52.4	54.3	54.8	55.0	55.7	55.7	55.7	55.9	55.9	55.9	55.9
≥ 14000	28.4	42.3	45.6	49.6	54.2	55.3	57.2	57.7	57.9	58.6	58.6	58.6	58.8	58.8	58.8	58.8
≥ 12000	29.1	43.9	47.5	51.6	56.3	57.6	59.5	60.1	60.3	60.9	60.9	60.9	61.2	61.2	61.2	61.2
≥ 10000	30.9	46.9	50.6	55.1	60.4	61.7	63.8	64.3	64.5	65.2	65.2	65.2	65.4	65.4	65.4	65.4
≥ 9000	30.9	47.2	51.1	55.7	60.9	62.2	64.3	64.8	65.0	65.7	65.7	65.7	65.9	65.9	65.9	65.9
≥ 8000	32.0	49.0	52.9	57.4	62.9	64.2	66.6	67.1	67.3	68.0	68.0	68.0	68.2	68.2	68.2	68.2
≥ 7000	32.3	49.9	53.8	58.4	64.0	65.3	67.6	68.2	68.4	69.0	69.0	69.0	69.3	69.3	69.3	69.3
≥ 6000	33.7	50.9	54.8	59.3	64.9	66.2	68.7	69.3	69.5	70.1	70.1	70.1	70.3	70.3	70.3	70.3
≥ 5000	34.3	51.8	56.0	60.6	66.7	68.0	70.6	71.1	71.3	72.0	72.0	72.0	72.2	72.2	72.2	72.2
≥ 4500	34.6	52.4	56.6	61.3	67.3	68.6	71.3	71.8	72.1	72.7	72.7	72.7	72.9	72.9	72.9	72.9
≥ 4000	34.7	53.2	57.4	62.2	68.4	69.7	72.5	73.0	73.2	73.9	73.9	73.9	74.1	74.1	74.1	74.1
≥ 3500	34.9	53.4	57.7	62.6	68.7	70.0	72.8	73.4	73.6	74.2	74.2	74.2	74.4	74.4	74.4	74.4
≥ 3000	34.9	53.6	58.0	62.9	69.5	70.8	73.7	74.2	74.4	75.1	75.1	75.1	75.3	75.3	75.3	75.3
≥ 2500	35.0	54.2	58.6	63.6	70.2	71.5	74.4	75.0	75.3	75.9	75.9	75.9	76.2	76.2	76.2	76.2
≥ 2000	35.1	54.6	59.2	64.1	70.8	72.1	75.3	75.8	76.2	76.8	76.8	76.8	77.0	77.0	77.0	77.0
≥ 1800	35.1	54.8	59.4	64.3	71.1	72.4	75.6	76.2	76.5	77.1	77.1	77.1	77.3	77.3	77.3	77.3
≥ 1500	35.4	55.2	60.0	64.8	71.6	73.0	76.3	76.8	77.1	77.8	77.8	77.8	78.0	78.0	78.0	78.0
≥ 1200	35.7	56.0	60.7	65.6	72.4	73.8	77.0	77.6	77.9	78.6	78.6	78.6	78.9	78.9	78.9	78.9
≥ 1000	36.4	57.5	62.2	67.2	74.2	75.6	78.9	79.4	79.7	80.5	80.5	80.5	80.7	80.7	80.7	80.7
≥ 900	36.5	58.4	63.2	68.2	75.3	76.8	80.0	80.7	81.0	81.8	81.8	81.8	82.0	82.0	82.0	82.0
≥ 800	36.6	59.1	64.2	69.1	76.3	78.0	81.8	82.4	82.7	83.5	83.5	83.5	83.7	83.7	83.7	83.7
≥ 700	36.6	59.8	65.2	70.2	77.7	79.6	83.5	84.1	84.6	85.4	85.5	85.5	85.8	85.8	85.8	85.8
≥ 600	36.6	60.3	65.9	71.2	78.9	80.9	85.0	85.9	86.3	87.3	87.4	87.4	87.6	87.6	87.6	87.6
≥ 500	36.6	60.8	66.8	72.2	80.3	82.6	87.2	88.2	88.7	89.8	90.1	90.1	90.3	90.3	90.3	90.3
≥ 400	36.7	61.1	67.2	72.8	81.3	83.7	88.3	89.8	90.4	91.7	92.1	92.1	92.3	92.3	92.3	92.3
≥ 300	36.7	61.4	67.5	73.5	82.3	84.7	89.4	91.0	92.0	93.4	94.1	94.1	94.3	94.3	94.3	94.3
≥ 200	36.8	61.5	67.6	73.6	82.5	84.9	89.8	92.0	93.2	94.9	96.1	96.2	96.4	96.4	96.4	96.4
≥ 100	36.3	61.7	67.9	73.8	82.7	85.1	90.1	92.3	93.6	95.6	97.5	97.6	98.1	98.1	99.0	99.1
≥ 0	36.3	61.7	67.9	73.8	82.7	85.1	90.1	92.3	93.6	95.7	97.6	97.7	98.2	98.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

927

JOINT CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 68 OTIS AFB MA

68-70,73,75-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	21.8	36.6	38.9	42.7	44.5	47.2	49.5	50.4	51.1	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 20000	22.2	37.6	40.0	43.8	47.6	48.4	50.6	51.6	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 18000	22.2	37.6	40.0	43.8	47.6	48.4	50.6	51.6	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 16000	22.2	37.6	40.0	43.8	47.6	48.4	50.6	51.6	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 14000	24.1	39.7	42.3	46.3	50.2	51.0	53.2	54.2	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 12000	24.1	39.9	42.5	46.7	50.8	51.5	53.8	54.7	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 10000	24.1	41.9	44.7	49.2	53.4	54.4	56.7	57.6	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 9000	24.1	42.4	45.2	49.7	53.9	54.8	57.1	58.1	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 8000	25.3	43.9	46.7	51.5	55.7	56.7	59.2	60.2	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 7000	25.3	44.4	47.3	52.2	56.5	57.4	60.0	61.0	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 6000	26.8	45.5	48.4	53.2	57.5	58.5	61.1	62.0	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 5000	26.2	47.2	50.2	55.2	59.7	60.6	63.3	64.3	64.9	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 4500	28.4	47.6	50.6	55.7	60.2	61.2	64.0	64.9	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 4000	23.6	48.4	51.6	56.9	61.4	62.4	65.2	66.1	66.8	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 3500	28.8	48.5	51.7	57.0	61.5	62.6	65.4	66.3	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 3000	28.9	49.1	52.4	57.6	62.5	63.5	66.3	67.3	68.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 2500	29.2	49.5	52.8	58.1	62.9	64.0	66.8	67.7	68.7	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 2000	29.4	49.7	53.1	58.7	63.7	64.7	67.7	68.7	69.7	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 1800	29.4	49.7	53.1	58.7	63.7	64.7	67.7	68.7	69.7	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 1500	29.5	50.2	53.7	59.4	64.3	65.4	68.4	69.4	70.3	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 1200	29.6	50.5	54.0	59.7	64.6	65.7	68.8	69.8	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 1000	29.6	51.0	54.4	60.1	65.1	66.2	69.4	70.3	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 900	29.7	51.8	55.4	61.1	66.2	67.4	70.8	71.7	72.7	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 800	29.8	52.7	56.3	62.0	67.5	68.8	72.6	73.7	74.6	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 700	29.9	53.4	57.4	63.2	68.8	70.2	74.0	75.1	76.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 600	29.9	54.4	58.6	65.1	71.0	72.4	76.6	77.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 500	29.9	54.8	59.2	65.8	72.2	73.5	78.2	79.7	80.9	81.6	81.7	81.7	81.7	81.7	81.7	81.7
≥ 400	30.0	55.3	59.9	66.7	73.1	74.6	79.4	81.2	82.6	83.3	83.4	83.4	83.4	83.4	83.4	83.4
≥ 300	30.0	55.7	60.4	67.3	74.8	76.6	81.7	83.8	85.2	86.0	86.5	86.5	86.5	86.5	86.5	86.5
≥ 200	30.0	55.8	60.5	67.4	75.2	77.1	82.9	85.9	87.4	89.1	90.2	90.4	90.8	91.0	91.0	91.1
≥ 100	30.0	55.8	60.5	67.4	75.2	77.1	83.1	86.2	87.8	90.2	92.7	92.9	94.3	94.5	96.5	96.9
≥ 0	30.0	55.8	60.5	67.4	75.2	77.1	83.1	86.2	87.8	90.3	92.8	93.0	94.6	94.8	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

775 65

OTIS AFB MA

66-70,73,75-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURE (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING	25.9	38.6	41.3	44.3	47.7	48.6	50.1	50.7	50.9	51.2	51.3	51.3	51.3	51.3	51.4	51.4
≥20000	26.3	40.2	43.0	46.1	49.6	50.6	52.1	52.7	52.9	53.2	53.2	53.2	53.2	53.3	53.4	53.4
≥18000	26.9	40.3	43.1	46.2	49.7	50.7	52.2	52.8	53.0	53.3	53.4	53.4	53.4	53.4	53.5	53.5
≥16000	26.9	40.3	43.1	46.2	49.7	50.7	52.3	52.9	53.1	53.3	53.4	53.4	53.4	53.4	53.5	53.5
≥14000	29.1	42.4	45.3	48.6	52.1	53.2	54.8	55.4	55.6	55.9	56.0	56.0	56.0	56.0	56.1	56.1
≥12000	28.6	43.4	46.4	49.8	53.4	54.5	56.1	56.8	57.0	57.2	57.3	57.3	57.4	57.4	57.4	57.4
≥10000	29.7	45.6	48.8	52.6	56.4	57.6	59.3	59.9	60.1	60.4	60.5	60.5	60.5	60.5	60.6	60.6
≥9000	29.8	46.3	49.2	53.0	56.8	58.0	59.7	60.4	60.5	60.8	60.9	60.9	60.9	60.9	61.0	61.0
≥8000	31.1	48.0	51.5	55.4	59.4	60.6	62.5	63.2	63.4	63.7	63.8	63.8	63.9	63.9	63.9	64.0
≥7000	31.4	48.8	52.3	56.2	60.3	61.5	63.4	64.1	64.3	64.6	64.7	64.7	64.7	64.7	64.8	64.8
≥6000	32.3	50.0	53.5	57.5	61.6	62.9	64.8	65.5	65.8	66.1	66.2	66.2	66.2	66.2	66.3	66.3
≥5000	33.4	51.4	55.0	59.1	63.3	64.6	66.6	67.3	67.6	67.9	68.0	68.0	68.0	68.0	68.1	68.2
≥4500	33.5	51.8	55.4	59.5	63.8	65.1	67.0	67.8	68.1	68.4	68.5	68.5	68.5	68.5	68.6	68.7
≥4000	33.7	52.4	56.1	60.3	64.7	66.0	68.1	68.9	69.2	69.5	69.6	69.6	69.6	69.6	69.7	69.7
≥3500	33.9	52.7	56.4	60.6	65.0	66.3	68.4	69.2	69.5	69.8	69.9	69.9	69.9	69.9	70.0	70.1
≥3000	34.4	53.6	57.3	61.6	66.1	67.5	69.7	70.5	70.8	71.1	71.2	71.2	71.2	71.2	71.3	71.4
≥2500	34.6	54.0	57.8	62.0	66.6	68.1	70.3	71.1	71.5	71.8	71.9	71.9	71.9	71.9	72.0	72.0
≥2000	35.0	54.8	58.7	63.1	67.7	69.2	71.5	72.3	72.7	73.0	73.1	73.1	73.1	73.1	73.2	73.3
≥1800	35.0	54.9	58.8	63.2	67.9	69.3	71.7	72.4	72.8	73.2	73.3	73.3	73.3	73.3	73.4	73.4
≥1500	35.6	56.0	60.0	64.4	69.1	70.6	72.9	73.8	74.2	74.5	74.6	74.6	74.6	74.6	74.7	74.7
≥1200	36.2	57.1	61.2	65.8	70.6	72.2	74.6	75.4	75.8	76.2	76.3	76.3	76.3	76.3	76.4	76.4
≥1000	36.6	58.3	62.5	67.1	72.2	73.8	76.2	77.1	77.5	77.9	77.9	77.9	77.9	78.0	78.1	78.1
≥900	36.8	59.0	63.3	68.1	73.3	74.9	77.4	78.3	78.7	79.1	79.2	79.2	79.2	79.2	79.3	79.3
≥800	37.0	59.8	64.4	69.2	74.5	76.2	78.9	79.8	80.3	80.6	80.7	80.7	80.7	80.7	80.8	80.9
≥700	37.1	60.5	65.2	70.2	75.8	77.7	80.7	81.7	82.1	82.5	82.6	82.6	82.6	82.6	82.7	82.8
≥600	37.2	61.1	66.0	71.3	77.2	79.4	82.8	83.9	84.4	84.8	85.0	85.0	85.0	85.0	85.1	85.1
≥500	37.2	61.6	66.8	72.3	78.5	80.8	84.5	85.8	86.3	86.9	87.1	87.1	87.2	87.2	87.2	87.3
≥400	37.3	61.9	67.3	73.1	79.6	82.1	86.0	87.6	88.4	89.1	89.4	89.4	89.5	89.5	89.6	89.6
≥300	37.3	62.1	67.6	73.5	80.4	83.0	87.3	89.2	90.1	91.1	91.7	91.7	91.9	91.9	91.9	92.0
≥200	37.3	62.1	67.7	73.5	80.6	83.3	87.8	90.1	91.1	92.7	93.7	93.8	94.2	94.3	94.5	94.6
≥100	37.3	62.2	67.7	73.6	80.7	83.3	88.0	90.4	91.4	93.4	95.1	95.2	96.4	96.5	97.7	98.1
≥0	37.3	62.2	67.7	73.6	80.7	83.3	88.0	90.4	91.4	93.4	95.1	95.2	96.5	96.8	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 7433

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JOINT CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 68 OTIS AFB MA STATION NAME 68-70,73,75-80 YEARS AUG MONTH 0000-0200 HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	21.4	40.1	42.1	44.1	45.0	49.5	51.4	53.6	53.8	54.2	54.3	54.3	54.3	54.3	54.5	54.5
≥ 20000	21.4	41.1	43.1	45.1	50.0	50.4	52.4	54.6	54.8	55.2	55.3	55.3	55.3	55.3	55.5	55.5
≥ 18000	21.4	41.1	43.1	45.1	50.0	50.4	52.4	54.6	54.8	55.2	55.3	55.3	55.3	55.3	55.5	55.5
≥ 16000	21.4	41.1	43.1	45.1	50.0	50.4	52.4	54.6	54.8	55.2	55.3	55.3	55.3	55.3	55.5	55.5
≥ 14000	22.1	42.1	44.7	46.7	51.6	52.3	54.5	56.8	57.0	57.3	57.5	57.5	57.5	57.5	57.7	57.7
≥ 12000	22.7	42.9	45.4	47.8	52.7	53.4	55.6	57.9	58.1	58.4	58.6	58.6	58.6	58.6	58.8	58.8
≥ 10000	24.7	45.8	48.8	51.3	56.4	57.3	59.2	61.5	61.7	62.1	62.2	62.2	62.2	62.2	62.4	62.4
≥ 9000	24.7	45.9	48.9	51.4	56.5	57.1	59.3	61.6	61.8	62.2	62.3	62.3	62.3	62.3	62.5	62.5
≥ 8000	25.0	46.0	51.2	53.7	58.9	59.5	61.7	64.0	64.3	64.6	64.7	64.7	64.7	64.7	64.9	64.9
≥ 7000	25.1	46.4	51.8	54.3	59.4	60.2	62.4	64.7	64.9	65.2	65.4	65.4	65.4	65.4	65.6	65.6
≥ 6000	26.5	48.8	52.2	54.7	59.9	60.6	62.8	65.1	65.4	65.7	65.8	65.8	65.8	65.8	66.0	66.0
≥ 5000	27.1	49.7	53.1	55.6	60.7	61.5	63.8	66.2	66.4	66.8	66.9	66.9	66.9	66.9	67.1	67.1
≥ 4500	27.1	50.1	53.5	56.0	61.2	62.3	64.3	66.7	66.9	67.2	67.3	67.3	67.3	67.3	67.5	67.5
≥ 4000	27.5	51.0	54.4	57.0	62.2	62.9	65.2	67.7	67.9	68.2	68.3	68.3	68.3	68.3	68.5	68.5
≥ 3500	27.5	51.1	54.5	57.3	62.5	63.3	65.6	68.0	68.2	68.5	68.6	68.6	68.6	68.6	68.9	68.9
≥ 3000	27.5	51.3	54.9	57.8	62.9	63.7	66.0	68.6	68.9	69.2	69.3	69.3	69.3	69.3	69.5	69.5
≥ 2500	28.2	52.2	55.8	58.7	63.9	64.8	67.2	69.8	70.1	70.4	70.5	70.5	70.5	70.5	70.7	70.7
≥ 2000	28.5	52.6	56.5	59.3	64.6	65.5	67.9	70.5	70.7	71.1	71.2	71.2	71.2	71.2	71.4	71.4
≥ 1800	28.5	52.6	56.5	59.3	64.6	65.5	67.9	70.5	70.7	71.1	71.2	71.2	71.2	71.2	71.4	71.4
≥ 1500	28.5	52.9	56.8	59.6	65.0	65.9	68.3	71.1	71.3	71.6	71.7	71.7	71.7	71.7	71.9	71.9
≥ 1200	28.6	53.7	57.8	60.7	66.1	67.1	69.6	72.4	72.6	72.9	73.0	73.0	73.0	73.0	73.2	73.2
≥ 1000	28.6	54.1	58.3	61.4	66.9	67.9	70.5	73.4	73.7	74.0	74.1	74.1	74.1	74.1	74.3	74.3
≥ 900	28.6	54.2	58.4	61.5	67.0	68.0	70.7	73.7	74.1	74.5	74.6	74.6	74.6	74.6	74.8	74.8
≥ 800	28.6	54.4	58.7	61.7	67.8	68.8	71.7	74.7	75.1	75.4	75.5	75.5	75.5	75.5	75.8	75.8
≥ 700	28.7	55.2	59.5	62.7	69.0	70.0	72.9	75.9	76.3	76.6	76.8	76.8	76.8	76.8	77.0	77.0
≥ 600	28.7	55.5	60.0	63.2	69.4	70.6	74.0	77.1	77.5	78.0	78.1	78.1	78.1	78.1	78.3	78.3
≥ 500	28.8	56.3	61.1	65.2	72.3	74.0	77.6	81.0	81.5	81.9	82.0	82.0	82.0	82.0	82.2	82.2
≥ 400	29.1	56.7	61.6	65.9	73.7	75.5	79.3	82.8	83.2	83.9	84.0	84.0	84.0	84.0	84.2	84.2
≥ 300	29.1	56.7	61.6	65.9	74.2	76.2	81.9	85.9	86.3	87.3	87.7	87.7	87.7	87.7	87.9	87.9
≥ 200	29.1	56.9	61.7	66.0	74.8	76.9	83.1	87.7	88.4	90.7	91.8	91.9	92.7	92.7	92.9	92.9
≥ 100	29.1	56.8	61.7	66.0	74.8	76.9	83.1	87.7	88.4	91.9	93.8	94.0	95.7	96.3	97.9	98.1
≥ 0	29.1	56.8	61.7	66.0	74.8	76.9	83.1	87.7	88.4	92.0	93.9	94.1	95.8	96.4	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 910

2
GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
WORLD WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

FORM 64

UTIS AFB MA

68-70,73,75-FU

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	20.0	31.7	39.5	41.2	44.1	44.7	47.2	49.1	49.7	50.0	50.7	50.7	50.8	50.8	51.0	51.3
≥ 20000	20.2	37.8	40.6	42.3	45.2	45.8	48.3	50.2	50.8	51.1	51.7	51.7	51.9	51.9	52.1	52.4
≥ 18000	20.2	37.8	40.6	42.3	45.2	45.8	48.3	50.2	50.8	51.1	51.7	51.7	51.9	51.9	52.1	52.4
≥ 16000	20.2	37.8	40.6	42.3	45.2	45.8	48.3	50.2	50.8	51.1	51.7	51.7	51.9	51.9	52.1	52.4
≥ 14000	21.1	39.3	42.2	44.2	47.7	48.4	51.0	53.2	53.7	54.1	54.8	54.8	54.9	54.9	55.1	55.4
≥ 12000	21.2	39.9	42.7	44.8	48.3	48.9	51.5	53.7	54.2	54.7	55.3	55.3	55.4	55.4	55.7	56.0
≥ 10000	23.2	42.4	45.6	48.1	52.0	52.7	55.4	57.7	58.3	58.7	59.4	59.4	59.5	59.5	59.7	60.0
≥ 9000	23.2	42.5	45.8	48.3	52.1	52.8	55.6	57.8	58.4	58.8	59.5	59.5	59.6	59.6	59.8	60.1
≥ 8000	24.0	43.4	46.9	49.5	53.5	54.2	57.0	59.3	59.8	60.2	60.9	60.9	61.0	61.0	61.2	61.5
≥ 7000	24.1	43.6	47.3	49.8	54.0	54.8	57.5	59.8	60.3	60.8	61.4	61.4	61.5	61.5	61.8	62.1
≥ 6000	24.2	43.9	47.6	50.1	54.4	55.1	57.8	60.1	60.7	61.1	61.8	61.8	61.9	61.9	62.1	62.4
≥ 5000	24.9	45.4	49.3	51.9	56.2	57.0	59.7	62.1	62.7	63.2	63.8	63.8	63.9	63.9	64.2	64.5
≥ 4500	24.9	46.0	49.9	52.5	56.9	57.6	60.3	62.7	63.4	63.8	64.5	64.5	64.6	64.6	64.8	65.1
≥ 4000	25.5	46.6	50.5	53.3	57.8	58.6	61.4	63.8	64.5	64.9	65.6	65.6	65.7	65.7	65.9	66.2
≥ 3500	25.5	46.6	50.5	53.3	57.8	58.6	61.4	63.8	64.5	64.9	65.6	65.6	65.7	65.7	65.9	66.2
≥ 3000	25.5	46.7	50.7	53.6	58.3	59.0	61.9	64.3	64.9	65.4	66.0	66.0	66.1	66.1	66.3	66.7
≥ 2500	26.4	47.7	51.6	54.6	59.4	60.5	63.5	65.9	66.6	67.0	67.6	67.6	67.8	67.8	68.0	68.3
≥ 2000	26.6	48.3	52.2	55.2	60.2	61.4	64.5	66.9	67.6	68.1	68.7	68.7	68.8	68.8	69.1	69.4
≥ 1800	26.6	48.3	52.2	55.2	60.2	61.4	64.5	66.9	67.6	68.1	68.7	68.7	68.8	68.8	69.1	69.4
≥ 1500	26.7	48.8	52.7	55.8	60.9	62.3	65.4	67.9	68.6	69.1	69.7	69.7	69.8	69.8	70.0	70.4
≥ 1200	26.7	48.9	53.1	56.1	61.3	62.7	65.8	68.4	69.2	69.6	70.3	70.3	70.4	70.4	70.6	70.9
≥ 1000	26.8	49.5	53.7	56.8	62.1	63.5	66.6	69.3	70.0	70.5	71.1	71.1	71.2	71.2	71.5	71.8
≥ 900	26.9	49.6	53.8	57.0	62.4	63.9	67.0	69.7	70.5	70.9	71.6	71.6	71.7	71.7	71.9	72.2
≥ 800	26.9	50.0	54.2	57.4	63.1	64.7	68.1	70.8	71.7	72.1	72.8	72.8	72.9	72.9	73.1	73.4
≥ 700	27.1	50.4	54.7	58.2	64.2	65.8	69.2	71.9	72.8	73.2	73.9	73.9	74.0	74.0	74.2	74.5
≥ 600	27.3	51.5	56.3	59.9	66.6	68.2	71.8	74.5	75.4	75.9	76.6	76.6	76.7	76.7	76.9	77.2
≥ 500	27.8	52.4	57.3	61.2	68.5	70.3	74.1	77.6	78.4	79.3	80.0	80.0	80.1	80.1	80.3	80.6
≥ 400	27.8	52.8	58.1	62.1	69.6	71.8	76.0	80.1	81.2	82.8	83.6	83.6	83.8	83.8	84.0	84.3
≥ 300	27.8	52.8	58.1	62.2	70.3	72.7	77.2	81.9	83.3	85.8	86.8	86.8	87.0	87.0	87.3	87.6
≥ 200	27.8	52.9	58.2	62.3	70.5	73.0	78.1	83.0	84.7	88.2	89.8	89.8	90.8	90.8	91.1	91.4
≥ 100	27.8	52.9	58.2	62.3	70.6	73.1	78.6	83.7	85.4	89.7	91.4	91.5	94.2	94.3	96.5	97.2
≥ 0	27.9	53.1	58.3	62.4	70.7	73.2	78.8	83.8	85.5	89.8	91.5	91.6	94.3	94.8	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS 918

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

65

OTIS AFB MA

66-70,73,75-PJ

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6600-2800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	25.0	36.5	38.3	40.9	43.6	44.7	46.8	47.6	48.1	48.4	48.5	48.5	48.5	48.5	48.6	48.8
≥ 20000	26.6	37.3	39.2	42.0	44.9	46.0	48.1	48.9	49.4	49.7	49.8	49.8	49.8	49.8	49.9	50.1
≥ 18000	26.6	37.3	39.2	42.0	44.9	46.0	48.1	48.9	49.4	49.7	49.8	49.8	49.8	49.8	49.9	50.1
≥ 16000	26.6	37.3	39.2	42.0	44.9	46.0	48.1	48.9	49.4	49.7	49.8	49.8	49.8	49.8	49.9	50.1
≥ 14000	27.6	38.9	40.8	43.7	46.9	48.2	50.5	51.4	51.9	52.3	52.4	52.4	52.4	52.4	52.5	52.7
≥ 12000	28.0	39.8	41.8	44.8	47.9	49.2	51.6	52.5	53.0	53.5	53.6	53.6	53.6	53.6	53.7	53.9
≥ 10000	31.1	44.0	46.5	50.0	53.9	55.2	58.0	59.0	59.5	60.0	60.1	60.1	60.1	60.1	60.2	60.4
≥ 9000	31.1	44.0	46.5	50.0	53.9	55.2	58.0	59.0	59.5	60.0	60.1	60.1	60.1	60.1	60.2	60.4
≥ 8000	31.5	45.2	47.7	51.2	55.2	56.5	59.4	60.4	60.9	61.4	61.5	61.5	61.5	61.5	61.6	61.8
≥ 7000	31.0	45.3	47.8	51.3	55.3	56.7	59.7	60.7	61.3	61.7	61.8	61.8	61.8	61.8	61.9	62.1
≥ 6000	32.4	46.2	48.8	52.6	56.7	58.1	61.1	62.1	62.7	63.1	63.2	63.2	63.2	63.2	63.3	63.5
≥ 5000	33.0	47.1	49.7	53.7	57.9	59.3	62.7	64.0	64.5	65.0	65.2	65.2	65.2	65.2	65.3	65.5
≥ 4500	33.0	47.3	49.9	53.9	58.1	59.5	62.9	64.2	64.7	65.3	65.4	65.4	65.4	65.4	65.5	65.7
≥ 4000	33.3	48.5	51.3	55.3	59.7	61.3	64.6	65.9	66.6	67.1	67.2	67.2	67.2	67.2	67.3	67.5
≥ 3500	34.0	46.7	51.6	55.6	60.1	61.6	64.9	66.2	66.9	67.4	67.5	67.5	67.5	67.5	67.6	67.9
≥ 3000	34.4	49.5	52.5	56.8	61.3	62.8	66.3	67.6	68.3	68.8	68.9	68.9	68.9	68.9	69.0	69.3
≥ 2500	35.2	50.2	53.2	57.6	62.0	63.5	67.1	68.4	69.0	69.6	69.7	69.7	69.7	69.7	69.8	70.0
≥ 2000	35.9	51.0	54.1	58.8	63.4	64.9	68.6	70.0	70.7	71.2	71.3	71.3	71.3	71.3	71.4	71.6
≥ 1800	35.9	51.0	54.1	58.8	63.4	64.9	68.6	70.0	70.7	71.2	71.3	71.3	71.3	71.3	71.4	71.6
≥ 1500	36.4	51.6	55.1	59.8	64.6	66.1	69.8	71.2	71.9	72.4	72.5	72.5	72.5	72.5	72.6	72.8
≥ 1200	36.7	52.2	55.7	60.5	65.4	66.9	70.9	72.4	73.2	73.7	73.8	73.8	73.8	73.8	74.0	74.2
≥ 1000	37.1	53.4	57.0	62.1	67.1	68.6	72.9	74.5	75.2	75.8	75.9	75.9	75.9	75.9	76.1	76.3
≥ 900	37.3	53.6	57.4	62.4	67.6	69.2	73.5	75.0	75.8	76.3	76.4	76.4	76.4	76.4	76.6	76.8
≥ 800	37.4	53.9	57.8	63.2	68.6	70.2	74.9	76.5	77.3	77.8	77.9	77.9	77.9	77.9	78.1	78.4
≥ 700	37.6	54.0	58.1	63.6	69.3	71.0	75.9	77.7	78.6	79.1	79.2	79.2	79.2	79.2	79.4	79.7
≥ 600	37.6	54.2	58.5	64.1	70.0	72.0	77.2	79.1	80.0	80.5	80.6	80.6	80.6	80.6	80.8	81.1
≥ 500	37.8	55.4	60.0	65.8	72.0	74.0	79.2	81.4	82.3	82.9	83.0	83.0	83.0	83.0	83.2	83.4
≥ 400	37.7	55.7	60.4	66.3	73.2	75.2	80.8	84.3	85.6	86.9	87.2	87.2	87.3	87.3	87.6	87.8
≥ 300	37.9	55.7	60.6	66.6	73.5	75.6	81.5	85.9	87.6	89.8	90.5	90.5	90.6	90.6	90.9	91.1
≥ 200	37.9	55.7	60.6	66.6	73.6	76.0	81.9	87.2	89.1	92.4	93.7	93.9	95.1	95.2	96.0	96.3
≥ 100	37.9	55.7	60.6	66.6	73.6	76.0	81.9	87.3	89.2	92.7	94.3	94.5	96.2	96.5	98.6	99.2
≥ 0	37.9	55.7	60.6	66.6	73.6	76.0	81.9	87.3	89.2	92.7	94.3	94.5	96.2	96.5	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 924

CEILING CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 68 OTIS AFB MA

68-70,73,75-80

AF

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1980-1981
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2 1/2	≥2	≥1 1/2	≥1 1/4	≥1	≥3/4	≥1/2	≥1/4	≥1/8	≥1/16	≥0
NO CEILING	32.5	44.2	47.6	51.1	53.7	54.3	54.9	54.9	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	33.5	45.6	49.1	52.8	55.4	55.9	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 18000	33.5	45.6	49.1	52.8	55.4	55.9	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 16000	33.5	45.6	49.1	52.8	55.4	55.9	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 14000	34.5	48.3	51.5	55.1	57.9	58.4	59.0	59.0	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 12000	35.2	48.8	52.3	56.0	58.7	59.3	59.9	59.9	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 10000	37.3	52.4	56.4	60.5	63.5	64.2	64.9	64.9	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 9000	37.5	52.7	56.7	60.7	63.8	64.6	65.2	65.2	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 8000	38.0	54.0	58.2	62.2	65.4	66.2	67.1	67.1	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 7000	38.2	54.2	58.5	62.5	65.9	66.6	67.5	67.5	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 6000	38.7	54.7	59.2	63.2	66.6	67.4	68.4	68.4	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 5000	39.1	55.4	59.9	63.9	67.6	68.4	69.3	69.3	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4500	39.3	55.7	60.3	64.4	68.0	68.8	69.8	69.8	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 4000	39.4	56.6	61.6	65.7	69.4	70.3	71.4	71.4	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 3500	39.4	56.6	61.6	65.7	69.4	70.3	71.4	71.4	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 3000	39.4	56.6	61.6	65.7	69.4	70.3	71.4	71.4	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 2500	40.3	58.5	63.7	67.7	71.5	72.4	73.5	73.5	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 2000	41.6	60.2	65.5	69.8	73.6	74.5	75.7	75.7	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 1800	42.0	60.8	66.2	70.4	74.2	75.2	76.4	76.5	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 1500	42.3	62.0	67.4	71.6	75.9	76.9	78.1	78.2	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 1200	43.3	63.1	68.8	73.1	77.8	78.9	80.1	80.3	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 1000	43.3	64.7	70.4	74.9	79.7	80.8	82.6	83.0	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 900	44.3	65.7	71.4	75.9	80.8	81.9	84.0	84.5	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 800	44.3	66.2	72.3	76.9	82.2	83.3	85.5	86.0	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 700	44.6	67.3	73.5	78.4	84.0	85.3	88.0	88.7	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 600	44.6	67.9	74.8	80.0	85.6	87.0	89.9	91.0	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 500	44.7	68.4	75.5	80.9	86.8	88.5	91.7	93.2	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 400	44.7	68.7	76.1	81.8	87.9	89.9	93.6	95.7	96.3	97.0	97.2	97.2	97.2	97.2	97.2	97.2
≥ 300	44.7	68.9	76.3	82.2	88.5	90.6	94.4	96.6	97.3	98.0	98.4	98.4	98.4	98.4	98.4	98.4
≥ 200	44.7	68.9	76.3	82.3	88.6	90.7	94.6	97.1	98.0	98.8	99.3	99.3	99.7	99.7	99.7	99.7
≥ 100	44.7	68.9	76.3	82.3	88.6	90.7	94.6	97.1	98.0	98.8	99.5	99.5	99.8	99.8	99.8	99.8
≥ 0	44.7	68.9	76.3	82.3	88.6	90.7	94.6	97.1	98.0	98.8	99.5	99.5	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 923

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 6P

STATION NAME GTIS AFB MA

YEARS 68-70, 73, 75-80

MONTH

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1968-1969
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0	≥0
NO CEILING	31.7	45.7	48.9	52.4	55.7	55.9	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 2000	33.3	43.2	51.5	55.4	58.7	59.1	59.5	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 1800	33.3	43.2	51.5	55.4	58.7	59.1	59.5	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 1600	33.3	43.2	51.5	55.4	58.7	59.1	59.5	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 1400	34.7	49.9	53.3	57.3	61.8	61.2	61.8	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 1200	31.3	50.5	54.1	58.1	61.7	62.1	62.7	63.2	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 1000	36.3	53.5	57.7	62.4	66.3	67.0	67.7	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 900	36.4	53.8	58.0	62.9	66.7	67.4	68.1	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 800	39.6	56.8	61.1	66.0	70.1	70.8	71.6	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 700	39.1	57.6	61.9	66.7	70.8	71.6	72.4	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 600	39.4	58.2	62.5	67.5	71.6	72.4	73.1	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 500	40.5	59.4	63.7	68.7	72.8	73.5	74.3	74.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 4500	40.5	59.8	64.1	69.1	73.2	74.0	74.7	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4000	41.6	60.8	65.1	70.3	74.4	75.2	75.9	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3500	41.3	61.1	65.4	70.7	74.8	75.6	76.3	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3000	42.3	62.0	66.5	71.9	76.2	77.0	77.8	78.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 2500	42.3	62.7	67.3	72.7	77.0	77.9	78.7	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 2000	44.0	64.7	69.2	74.6	79.9	79.8	80.7	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1800	44.4	65.4	70.0	75.4	79.7	80.6	81.4	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 1500	45.4	66.8	71.4	77.2	81.6	82.7	83.7	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1200	46.2	69.2	73.8	79.9	84.4	85.6	86.6	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1000	46.7	70.1	74.8	81.0	85.6	86.8	88.0	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 900	46.3	71.7	75.5	81.6	86.3	87.6	89.0	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 800	47.0	71.2	76.2	82.7	87.6	89.3	91.0	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 700	47.1	71.9	77.2	83.8	89.0	90.8	92.5	93.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 600	47.1	72.7	78.1	84.7	90.2	92.1	94.0	95.1	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8
≥ 500	47.1	72.7	78.6	85.7	92.0	94.2	96.5	97.9	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	47.1	72.8	78.7	85.9	92.2	94.5	97.1	98.7	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	47.1	72.8	78.7	86.1	92.4	94.7	97.4	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	47.1	72.8	78.7	86.1	92.4	94.7	97.4	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	47.1	72.8	78.7	86.1	92.4	94.7	97.4	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	47.1	72.8	78.7	86.1	92.4	94.7	97.4	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

926

GLOBAL CLIMATOLOGY BRANCH
AFETAC
METEOROLOGICAL SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION OF OTIS AFB MA

66-70, 73, 75-80

100

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1966-1970
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	27.6	41.8	44.6	48.4	51.6	52.3	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 20000	29.3	43.2	47.5	51.3	54.8	55.5	56.4	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 18000	29.4	43.3	47.6	51.4	55.0	55.6	56.5	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 16000	29.4	43.3	47.6	51.4	55.0	55.6	56.5	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 14000	31.1	45.3	49.7	53.8	57.8	58.4	59.3	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 12000	32.1	46.6	51.1	55.2	59.3	59.9	61.2	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 10000	33.3	49.5	54.8	59.2	63.6	64.4	65.8	66.6	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0
≥ 9000	34.2	49.9	55.3	59.6	64.1	65.0	66.4	67.1	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6
≥ 8000	35.5	52.2	57.5	62.0	67.1	68.0	69.5	70.3	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7
≥ 7000	36.1	52.9	58.3	62.7	67.9	68.8	70.3	71.0	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4
≥ 6000	37.0	53.9	59.3	63.7	68.9	69.7	71.2	72.0	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4
≥ 5000	37.3	55.2	61.1	65.8	71.0	71.9	73.4	74.1	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6
≥ 4500	38.1	55.4	61.3	66.1	71.3	72.2	73.7	74.5	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9
≥ 4000	38.8	56.1	62.1	67.0	72.3	73.2	74.7	75.4	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9
≥ 3500	34.9	56.3	62.2	67.1	72.4	73.3	74.8	75.5	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3000	40.1	57.5	63.6	68.9	74.4	75.2	76.7	77.6	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2500	40.3	58.3	64.4	69.8	75.3	76.2	77.8	78.7	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1
≥ 2000	41.4	59.9	66.3	71.7	77.4	78.2	79.8	80.8	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800	41.3	60.6	66.9	72.3	78.0	78.9	80.5	81.5	81.8	81.8	81.9	82.0	82.0	82.0	82.0	82.0
≥ 1500	42.3	61.9	68.3	74.1	80.0	80.9	82.8	83.7	84.1	84.1	84.2	84.3	84.3	84.3	84.3	84.3
≥ 1200	43.2	63.3	69.9	76.0	81.9	82.9	84.8	85.8	86.1	86.1	86.2	86.3	86.3	86.3	86.3	86.3
≥ 1000	43.3	64.5	71.7	78.0	84.3	85.5	87.4	88.6	89.0	89.0	89.1	89.2	89.3	89.3	89.3	89.3
≥ 900	43.3	65.2	72.4	79.0	85.2	86.4	88.5	89.7	90.1	90.1	90.2	90.3	90.4	90.4	90.4	90.4
≥ 800	43.3	65.6	72.8	79.6	86.0	87.4	89.5	90.7	91.2	91.2	91.3	91.4	91.5	91.5	91.5	91.5
≥ 700	44.3	66.4	73.7	80.7	87.6	89.1	91.4	92.7	93.3	93.3	93.4	93.5	93.6	93.6	93.6	93.6
≥ 600	44.3	66.6	74.1	81.4	88.5	90.1	92.6	93.9	94.5	94.8	94.9	95.0	95.2	95.2	95.2	95.2
≥ 500	44.3	66.8	74.6	82.2	89.8	91.5	94.2	95.6	96.2	96.6	96.7	96.8	96.9	96.9	96.9	96.9
≥ 400	44.3	66.8	74.6	82.5	90.2	91.9	95.3	96.9	97.5	97.8	98.1	98.2	98.3	98.3	98.3	98.3
≥ 300	44.3	66.8	74.6	82.5	90.2	91.9	95.5	97.6	98.4	99.1	99.4	99.5	99.7	99.7	99.7	99.7
≥ 200	44.3	66.8	74.6	82.5	90.2	91.9	95.5	97.6	98.4	99.1	99.6	99.8	100.0	100.0	100.0	100.0
≥ 100	44.3	66.8	74.6	82.5	90.2	91.9	95.5	97.6	98.4	99.1	99.6	99.8	100.0	100.0	100.0	100.0
≥ 0	44.3	66.8	74.6	82.5	90.2	91.9	95.5	97.6	98.4	99.1	99.6	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

LOCAL CLIMATOLOGY BRANCH
DIRECTOR
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
66

OTIS AFB MA

68-70, 73, 75-80

407

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	23.3	33.5	41.9	45.5	48.7	49.4	51.1	51.6	52.0	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 2000	24.1	40.6	44.3	48.1	51.6	52.3	54.3	55.0	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 1800	24.1	40.8	44.5	48.3	51.8	52.5	54.5	55.2	55.7	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 1600	24.1	40.9	44.6	48.4	51.9	52.6	54.6	55.3	55.8	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 1400	25.6	42.7	46.4	50.6	54.3	55.0	57.1	58.0	58.5	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 1200	26.7	44.2	48.2	52.4	56.3	56.9	59.2	60.0	60.6	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 1000	28.2	46.0	50.3	54.5	59.3	60.2	63.0	64.2	64.8	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 900	28.3	46.4	50.8	55.0	59.7	60.7	63.5	64.7	65.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 800	29.5	43.0	52.6	57.1	62.4	63.6	66.5	67.8	68.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 700	30.4	44.9	53.6	58.1	63.5	64.7	67.6	68.9	69.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 600	31.7	50.3	55.0	59.5	65.0	66.2	69.2	70.5	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 500	31.7	51.2	55.9	60.8	66.4	67.7	70.7	72.0	72.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 450	31.7	51.4	56.0	61.0	66.8	68.1	71.1	72.4	73.0	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 400	32.4	52.2	56.9	61.9	67.7	69.1	72.2	73.5	74.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 350	32.4	52.3	57.1	62.0	67.8	69.3	72.4	73.7	74.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 300	32.4	52.6	57.4	62.5	68.3	69.9	73.1	74.4	74.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 250	32.9	52.8	57.7	63.0	69.0	70.6	73.7	75.0	75.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 200	33.3	53.8	58.8	64.2	70.3	71.9	75.0	76.3	76.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 180	33.3	53.9	58.9	64.3	70.4	72.0	75.1	76.4	76.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 150	33.4	54.2	59.3	64.8	71.0	72.6	75.8	77.0	77.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8
≥ 120	33.7	55.0	60.0	65.5	72.0	73.6	76.8	78.1	78.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8
≥ 100	33.9	55.4	60.7	66.2	72.8	74.5	77.8	79.2	79.7	80.9	81.0	81.0	81.0	81.0	81.0	81.0
≥ 90	34.2	56.1	61.4	66.9	73.7	75.3	78.7	80.1	80.6	81.8	81.9	81.9	81.9	81.9	81.9	81.9
≥ 80	34.5	57.2	62.6	68.1	75.1	76.8	80.3	81.7	82.2	83.4	83.5	83.5	83.5	83.5	83.5	83.5
≥ 70	34.5	57.8	63.5	69.2	76.4	78.2	81.9	83.5	84.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3
≥ 60	34.6	58.5	65.1	70.8	78.4	80.5	84.4	86.1	86.6	87.8	88.0	88.0	88.0	88.0	88.0	88.0
≥ 50	34.6	59.1	66.2	72.6	80.9	83.4	87.6	90.1	90.7	91.9	92.1	92.1	92.1	92.1	92.1	92.1
≥ 40	34.7	59.2	66.4	73.2	81.8	84.4	89.0	91.9	92.6	94.5	94.7	94.7	94.7	94.7	94.7	94.7
≥ 30	34.7	59.2	66.4	73.4	82.7	85.2	90.1	93.2	93.9	96.6	97.1	97.1	97.1	97.1	97.1	97.1
≥ 20	34.7	59.2	66.4	73.4	82.8	85.3	90.4	93.5	94.3	98.0	98.6	98.6	98.7	98.7	98.7	98.7
≥ 10	34.7	59.2	66.4	73.4	82.8	85.3	90.5	93.6	94.4	98.2	98.9	98.9	99.0	99.0	99.4	99.4
≥ 0	34.7	59.2	66.4	73.4	82.8	85.3	90.5	93.6	94.4	98.2	98.9	98.9	99.0	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 924

AL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
STATION NAME

65-70,73,75-80

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	24.4	42.2	44.9	47.5	50.8	51.6	54.3	55.5	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5
≥ 2000	24.4	43.7	46.4	49.0	52.3	53.2	56.2	57.5	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4
≥ 1800	24.4	43.8	46.5	49.1	52.4	53.3	56.3	57.6	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5
≥ 1600	24.4	43.8	46.5	49.1	52.4	53.3	56.3	57.6	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5
≥ 1400	25.6	45.6	48.5	51.4	54.8	55.7	58.6	60.2	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1
≥ 1200	26.6	46.8	49.8	52.7	56.3	57.2	60.2	61.7	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6
≥ 1000	27.3	48.4	51.5	54.8	59.1	60.0	63.0	64.7	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7
≥ 900	27.3	48.4	51.5	54.8	59.1	60.0	63.0	64.7	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7
≥ 800	28.3	50.2	53.3	56.6	61.0	62.0	65.2	67.0	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9
≥ 700	28.5	50.5	53.9	57.1	61.6	62.5	65.8	67.5	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5
≥ 600	29.2	51.2	54.4	57.8	62.2	63.2	66.4	68.1	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1
≥ 500	29.5	52.3	55.6	59.1	63.5	64.5	67.7	69.4	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4
≥ 450	29.5	52.5	55.8	59.3	63.7	64.7	67.9	69.7	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6
≥ 400	29.8	52.9	56.3	59.8	64.3	65.3	68.7	70.5	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5
≥ 350	29.9	53.2	56.6	60.2	64.6	65.7	69.0	70.8	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8
≥ 300	30.1	53.5	56.8	60.6	65.1	66.3	69.8	71.6	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6
≥ 250	30.3	53.7	57.0	61.1	65.9	67.1	70.5	72.4	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3
≥ 200	30.3	54.2	57.7	61.8	66.5	67.7	71.2	73.0	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0
≥ 180	30.9	54.2	57.7	61.8	66.5	67.7	71.2	73.0	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0
≥ 150	30.9	54.5	58.0	62.1	66.8	68.0	71.5	73.3	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3
≥ 120	31.0	55.1	58.5	62.6	67.5	68.7	72.1	74.1	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1
≥ 100	31.3	55.7	59.4	63.5	68.4	69.7	73.2	75.3	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2
≥ 90	31.4	56.2	59.9	64.0	69.1	70.4	74.0	76.0	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0
≥ 80	31.5	56.7	60.5	64.8	70.0	71.3	74.9	77.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1
≥ 70	31.6	57.7	61.6	65.9	71.4	73.1	76.9	78.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0
≥ 60	31.6	58.5	63.0	67.3	73.1	75.3	79.2	81.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4
≥ 50	31.6	58.6	64.1	69.0	75.9	78.3	82.6	84.8	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0
≥ 40	31.6	59.4	65.6	70.7	78.3	80.7	85.6	88.1	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4
≥ 30	31.6	59.6	65.8	71.2	79.5	82.1	88.1	90.9	92.1	93.0	93.2	93.2	93.2	93.2	93.2	93.2
≥ 20	31.6	59.6	65.8	71.3	80.0	82.6	89.4	92.7	94.0	95.7	96.4	96.4	96.7	96.8	96.8	96.8
≥ 10	31.6	59.6	65.8	71.3	80.0	82.6	89.5	92.9	94.2	95.9	96.8	97.0	97.5	97.7	98.7	98.6
≥ 0	31.6	59.6	65.8	71.3	80.0	82.6	89.5	92.9	94.2	95.9	97.0	97.2	97.8	98.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 926

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

63

OTIS AFB MA

66-70,73,75-80

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 0	≥ 0
NO CEILING	25.3	40.6	43.5	46.4	49.7	50.3	51.9	52.0	53.2	53.4	53.5	53.5	53.5	53.5	53.6	53.6
≥ 20000	26.6	42.2	45.2	48.2	51.6	52.3	54.0	54.9	55.4	55.6	55.7	55.7	55.7	55.7	55.8	55.8
≥ 18000	26.6	42.3	45.3	48.3	51.7	52.3	54.0	55.0	55.4	55.6	55.7	55.7	55.7	55.7	55.8	55.9
≥ 16000	26.6	42.3	45.3	48.3	51.7	52.3	54.0	55.0	55.4	55.6	55.7	55.7	55.8	55.8	55.8	55.9
≥ 14000	27.9	44.0	47.1	50.4	54.0	54.7	56.5	57.6	58.0	58.3	58.4	58.4	58.4	58.4	58.5	58.5
≥ 12000	28.5	44.9	48.2	51.5	55.2	55.9	57.8	58.9	59.4	59.6	59.7	59.7	59.8	59.8	59.8	59.9
≥ 10000	30.3	47.8	51.5	55.1	59.3	60.1	62.2	63.4	63.8	64.1	64.3	64.3	64.3	64.3	64.3	64.4
≥ 8000	30.4	48.0	51.7	55.3	59.5	60.4	62.4	63.6	64.1	64.4	64.5	64.5	64.5	64.5	64.6	64.7
≥ 6000	31.4	49.7	53.6	57.3	61.7	62.6	64.8	66.0	66.5	66.8	66.9	66.9	66.9	66.9	67.0	67.0
≥ 4000	31.7	50.2	54.1	57.8	62.3	63.2	65.4	66.6	67.1	67.4	67.5	67.5	67.5	67.5	67.6	67.7
≥ 3000	32.4	50.9	54.9	58.6	63.2	64.1	66.3	67.5	68.0	68.3	68.4	68.4	68.4	68.4	68.5	68.6
≥ 2000	33.0	52.0	56.0	59.9	64.5	65.5	67.7	69.0	69.5	69.8	69.9	69.9	69.9	70.0	70.0	70.1
≥ 1500	33.1	52.3	56.4	60.3	64.9	65.9	68.1	69.4	69.9	70.2	70.3	70.3	70.3	70.3	70.4	70.5
≥ 1000	33.6	53.1	57.3	61.3	66.0	67.0	69.3	70.6	71.1	71.4	71.5	71.5	71.6	71.6	71.6	71.7
≥ 800	33.7	53.2	57.5	61.5	66.2	67.2	69.5	70.8	71.3	71.6	71.8	71.8	71.8	71.8	71.8	71.9
≥ 600	34.1	53.9	58.2	62.4	67.2	68.2	70.6	71.9	72.4	72.7	72.9	72.9	72.9	72.9	72.9	73.0
≥ 400	34.4	54.5	58.9	63.2	68.0	69.1	71.5	72.9	73.4	73.7	73.8	73.8	73.8	73.8	73.9	74.0
≥ 200	35.3	55.6	60.1	64.4	69.4	70.5	72.9	74.3	74.9	75.2	75.3	75.3	75.3	75.3	75.4	75.5
≥ 100	35.4	55.9	60.3	64.7	69.7	70.8	73.2	74.6	75.2	75.5	75.6	75.6	75.6	75.6	75.7	75.8
≥ 0	35.9	56.6	61.1	65.7	70.8	72.0	74.4	75.9	76.4	76.7	76.9	76.9	76.9	76.9	77.0	77.0
≥ 1200	36.2	57.6	62.2	66.8	72.1	73.3	75.9	77.4	77.9	78.3	78.4	78.4	78.4	78.4	78.5	78.6
≥ 1000	36.5	58.4	63.3	68.0	73.4	74.7	77.4	79.1	79.6	79.9	80.1	80.1	80.1	80.1	80.2	80.3
≥ 800	36.7	58.9	63.8	68.6	74.1	75.4	78.2	79.9	80.4	80.8	80.9	80.9	81.0	81.0	81.0	81.1
≥ 600	36.9	59.4	64.4	69.3	75.1	76.5	79.5	81.2	81.8	82.2	82.3	82.3	82.3	82.3	82.4	82.5
≥ 400	36.9	60.1	65.2	70.3	76.4	77.9	81.1	82.9	83.6	83.9	84.0	84.0	84.1	84.1	84.2	84.2
≥ 200	37.0	60.7	66.2	71.4	77.8	79.5	82.9	84.8	85.5	85.9	86.1	86.1	86.1	86.1	86.2	86.3
≥ 100	37.1	61.2	67.2	72.9	79.8	81.8	85.5	87.7	88.4	88.9	89.1	89.1	89.1	89.1	89.2	89.3
≥ 0	37.1	61.5	67.7	73.6	80.9	83.0	87.1	89.8	90.6	91.5	91.8	91.8	91.8	91.8	91.9	92.0
≥ 100	37.1	61.6	67.8	73.8	81.4	83.7	88.3	91.4	92.3	93.7	94.2	94.2	94.2	94.2	94.3	94.4
≥ 0	37.1	61.6	67.8	73.8	81.6	83.9	88.8	92.3	93.3	95.4	96.2	96.2	96.7	96.8	96.9	97.0
≥ 100	37.1	61.6	67.8	73.8	81.7	83.9	88.9	92.4	93.4	95.8	96.8	96.9	97.8	98.0	98.9	99.1
≥ 0	37.1	61.6	67.8	73.9	81.7	83.9	88.9	92.4	93.4	95.8	96.8	97.0	97.9	98.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 7385

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

323

MONTH

HOURS (L.S.T.)

CEILING (FEET)	VISIBLE STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/16	≥ 1/32
NO CEILING ≥ 20000	32.5 33.3	50.6 51.7	51.3 52.8	52.1 53.8	53.2 54.9	53.8 55.5	54.7 56.3	55.2 56.9	55.9 57.6	56.1 57.8	56.1 57.8	56.1 57.8	56.2 57.9	56.2 57.9	56.2 57.9	56.2 58.2
N 18000 N 6000	33.3 33.3	51.7 51.7	52.8 52.8	53.8 53.8	54.9 54.9	55.5 55.5	56.3 56.3	56.9 56.9	57.6 57.6	57.8 57.8	57.8 57.8	57.8 57.8	57.9 57.9	57.9 57.9	57.9 57.9	58.2 58.2
N 14000 N 12000	34.7 34.9	53.1 53.3	54.2 54.5	55.2 55.5	56.3 56.6	56.9 57.1	57.8 58.0	58.4 58.6	59.1 59.2	59.7 59.5	59.7 59.5	59.7 59.5	59.4 59.6	59.4 59.6	59.4 59.6	59.7 59.9
N 10000 N 9500	37.0 37.0	56.1 56.1	57.6 57.6	58.8 58.8	60.0 60.0	60.6 60.6	61.5 61.6	62.0 62.1	62.7 62.8	62.9 63.0	62.9 63.0	62.9 63.0	63.0 63.1	63.0 63.1	63.0 63.1	63.4 63.5
N 8000 N 7500	37.9 38.5	57.6 58.7	59.1 60.4	60.4 61.6	61.8 63.0	62.4 63.6	63.4 64.8	64.1 65.6	64.8 66.3	65.1 66.6	65.1 66.6	65.1 66.6	65.3 66.7	65.3 66.7	65.3 66.7	65.6 67.0
N 6000 N 5000	38.9 39.8	59.7 61.2	61.5 63.3	62.7 64.4	64.4 66.0	64.9 66.6	66.3 67.9	67.0 68.7	67.7 69.4	68.0 69.7	68.0 69.7	68.0 69.7	68.2 69.8	68.2 69.8	68.2 69.8	68.5 70.2
N 4500 N 4000	39.9 41.3	61.5 63.5	63.3 65.3	64.6 66.6	66.3 68.3	66.8 68.8	68.2 70.2	68.9 70.9	69.6 71.6	69.9 71.9	69.9 71.9	69.9 71.9	70.0 72.0	70.0 72.0	70.0 72.0	70.4 72.4
N 3500 N 3000	41.5 42.8	64.1 65.7	65.9 67.5	67.4 69.2	69.0 70.8	69.6 71.5	70.9 72.8	71.7 73.6	72.4 74.3	72.7 74.6	72.7 74.6	72.7 74.6	72.8 74.7	72.8 74.7	72.8 74.7	73.2 75.1
N 2500 N 2000	43.0 43.4	66.4 67.7	68.3 69.6	70.0 71.5	71.7 73.4	72.6 74.3	73.9 75.7	74.7 76.5	75.4 77.2	75.7 77.5	75.7 77.5	75.7 77.5	75.8 77.6	75.8 77.6	75.8 77.6	76.2 78.0
N 1800 N 1500	43.9 44.3	68.4 69.4	70.3 71.4	72.2 73.3	74.1 75.2	74.9 76.1	76.4 77.5	77.2 78.3	77.8 79.0	78.2 79.3	78.2 79.3	78.2 79.3	78.3 79.4	78.3 79.4	78.3 79.4	78.6 79.7
N 1200 N 1000	44.3 44.3	69.7 70.0	71.7 72.4	73.6 74.5	75.6 76.6	76.5 77.5	78.0 79.1	78.7 79.8	79.4 80.5	79.7 80.8	79.7 80.8	79.7 80.8	79.8 80.8	79.8 81.0	79.8 81.0	80.2 81.3
N 900 N 800	44.5 44.7	70.6 71.3	73.1 73.8	75.2 76.1	77.3 78.3	78.4 79.4	80.0 81.0	80.8 81.8	81.5 82.5	81.8 82.9	81.8 82.9	81.8 82.9	82.0 83.0	82.0 83.0	82.0 83.0	82.3 83.3
N 700 N 600	44.7 44.7	71.4 71.8	73.9 74.9	76.3 77.5	78.6 80.4	79.7 81.5	81.3 83.4	82.2 84.7	82.9 85.4	83.2 85.9	83.2 85.9	83.2 85.9	83.3 86.0	83.3 86.0	83.3 86.0	83.6 86.3
N 500 N 400	44.8 44.9	72.6 72.9	75.9 76.4	78.5 79.5	81.6 83.0	82.7 84.5	85.4 87.8	87.0 89.6	88.1 90.6	88.1 91.2	88.1 91.2	88.1 91.2	88.2 91.3	88.2 91.3	88.2 91.3	88.5 91.6
N 300 N 200	44.8 44.9	72.9 72.9	76.4 76.4	79.5 79.5	83.1 83.1	84.7 84.7	88.5 89.2	90.5 91.3	91.9 92.8	92.8 93.9	92.9 94.4	92.9 94.4	93.0 94.8	93.0 94.8	93.0 94.8	93.3 95.1
N 100 N 100	44.9 44.9	72.9 72.9	76.4 76.4	79.5 79.5	83.1 83.1	84.7 84.7	89.3 89.3	91.4 91.4	92.9 92.9	94.3 94.3	94.3 95.1	94.3 95.1	95.2 95.7	95.2 95.7	95.2 95.7	95.7 96.7

898

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

FORM 68

OTIS AFB MA

68-70, 73, 75-83

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥1/32
NO CEILING	31.4	40.8	50.1	51.1	51.8	52.2	52.7	53.0	53.8	54.2	54.3	54.3	54.7	54.7	55.2	55.5
≥ 20000	32.3	49.9	51.4	52.4	53.2	53.5	54.1	54.3	55.2	55.5	55.6	55.6	56.1	56.1	56.5	56.9
≥ 18000	32.3	49.9	51.4	52.4	53.2	53.5	54.1	54.3	55.2	55.5	55.6	55.6	56.1	56.1	56.5	56.9
≥ 16000	32.3	49.9	51.4	52.4	53.2	53.5	54.1	54.3	55.2	55.5	55.6	55.6	56.1	56.1	56.5	56.9
≥ 14000	33.4	51.2	52.6	53.6	54.4	54.7	55.3	55.5	56.4	56.7	56.9	56.9	57.3	57.3	57.7	58.1
≥ 12000	33.4	51.2	52.6	53.6	54.4	54.7	55.3	55.5	56.4	56.7	56.9	56.9	57.3	57.3	57.7	58.1
≥ 10000	36.3	54.0	55.6	56.7	57.5	57.9	58.4	58.6	59.5	59.9	60.0	60.0	60.4	60.4	60.9	61.2
≥ 9000	36.3	54.0	55.6	56.7	57.5	57.9	58.4	58.6	59.5	59.9	60.0	60.0	60.4	60.4	60.9	61.2
≥ 8000	37.0	55.6	57.4	58.5	59.3	59.6	60.2	60.4	61.5	61.9	62.2	62.2	62.7	62.7	63.1	63.5
≥ 7000	37.0	55.6	57.4	58.5	59.3	59.6	60.2	60.4	61.5	61.9	62.2	62.2	62.7	62.7	63.1	63.5
≥ 6000	38.2	58.5	60.4	61.5	62.8	63.2	63.9	64.2	65.3	65.7	66.0	66.0	66.4	66.4	66.9	67.3
≥ 5000	38.2	58.5	60.4	61.5	62.8	63.2	63.9	64.2	65.3	65.7	66.0	66.0	66.4	66.4	66.9	67.3
≥ 4500	39.2	59.9	61.8	63.0	64.5	65.0	65.7	66.0	67.1	67.4	67.8	67.8	68.2	68.2	68.7	69.1
≥ 4000	41.7	61.9	63.9	65.1	66.9	67.4	68.1	68.5	69.6	69.9	70.2	70.2	70.7	70.7	71.1	71.6
≥ 3500	41.1	62.3	64.3	65.7	67.4	68.0	68.8	69.1	70.2	70.6	70.9	70.9	71.3	71.3	71.8	72.2
≥ 3000	42.6	64.3	66.3	67.7	69.6	70.1	70.9	71.2	72.4	72.7	73.0	73.0	73.5	73.5	73.9	74.4
≥ 2500	42.6	65.2	67.3	69.1	71.0	71.6	72.4	72.7	73.8	74.1	74.5	74.5	74.9	74.9	75.4	75.8
≥ 2000	43.3	66.4	68.6	70.3	72.4	73.0	73.9	74.2	75.4	75.7	76.0	76.0	76.5	76.5	76.9	77.4
≥ 1800	43.3	66.4	68.6	70.3	72.4	73.0	73.9	74.2	75.4	75.7	76.0	76.0	76.5	76.5	76.9	77.4
≥ 1500	43.3	67.9	70.0	71.9	73.9	74.7	75.6	75.9	77.1	77.5	77.8	77.8	78.3	78.3	78.7	79.2
≥ 1200	44.4	69.0	71.1	73.0	75.3	76.0	76.9	77.3	78.5	78.8	79.2	79.2	79.6	79.6	80.0	80.5
≥ 1000	44.4	69.1	71.3	73.4	75.8	76.6	77.5	77.8	79.2	79.5	79.8	79.8	80.3	80.3	80.7	81.2
≥ 900	44.6	69.8	72.2	74.0	76.5	77.3	78.1	78.6	79.9	80.3	80.6	80.6	81.0	81.0	81.5	81.9
≥ 800	44.6	69.9	72.2	74.4	76.9	77.8	78.7	79.2	80.5	80.8	81.2	81.2	81.6	81.6	82.1	82.5
≥ 700	44.6	70.2	72.9	75.6	78.5	79.4	80.4	80.9	82.4	82.7	83.1	83.1	83.5	83.5	83.9	84.4
≥ 600	44.6	70.2	73.0	75.7	78.7	79.7	80.9	81.6	83.1	83.4	83.7	83.7	84.2	84.2	84.6	85.1
≥ 500	44.6	70.2	73.5	76.1	79.5	80.7	82.6	83.3	85.1	85.5	86.3	86.3	86.7	86.7	87.2	87.6
≥ 400	44.6	70.5	73.9	77.3	80.7	82.1	84.3	85.5	87.5	88.3	89.3	89.3	89.7	89.7	90.2	90.6
≥ 300	44.6	70.7	74.1	77.6	81.0	82.5	85.1	87.1	89.6	90.9	92.3	92.3	92.8	92.8	93.2	93.6
≥ 200	44.6	70.7	74.1	77.6	81.0	82.5	85.3	87.5	90.2	91.4	93.5	93.6	94.5	94.5	95.0	95.4
≥ 100	44.6	70.7	74.1	77.6	81.0	82.5	85.3	87.6	90.3	91.6	93.9	94.1	95.8	95.9	96.8	98.0
≥ 0	44.6	70.7	74.1	77.6	81.0	82.5	85.3	87.6	90.3	91.6	93.9	94.1	95.8	95.9	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 897

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAF CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

025 68

OTIS AFB MA

68-70,73,75-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	39.4	45.9	46.8	48.9	50.2	50.7	51.2	52.0	52.4	52.7	52.8	52.9	53.0	53.0	53.0	53.7
≥ 20000	40.4	47.7	48.8	50.9	52.2	52.7	53.2	54.1	54.6	54.8	54.9	55.0	55.1	55.1	55.1	55.8
≥ 18000	40.4	47.7	48.8	50.9	52.2	52.7	53.2	54.1	54.6	54.8	54.9	55.0	55.1	55.1	55.1	55.8
≥ 16000	41.4	47.8	48.9	51.0	52.3	52.8	53.3	54.2	54.7	54.9	55.0	55.1	55.2	55.2	55.2	55.9
≥ 14000	41.7	49.4	50.6	52.7	54.0	54.4	55.2	56.1	56.6	56.8	56.9	57.0	57.1	57.1	57.1	57.8
≥ 12000	42.1	49.9	51.1	53.1	54.7	55.1	55.9	56.8	57.4	57.7	57.8	57.9	58.0	58.0	58.0	58.7
≥ 10000	44.4	52.9	54.0	56.3	57.9	58.3	59.1	60.0	60.7	60.9	61.0	61.1	61.2	61.2	61.2	61.9
≥ 9000	44.4	53.0	54.1	56.4	58.0	58.6	59.3	60.2	60.9	61.1	61.2	61.3	61.4	61.4	61.4	62.1
≥ 8000	46.1	55.1	56.3	58.7	60.6	61.2	62.2	63.1	63.9	64.1	64.2	64.3	64.6	64.6	64.6	65.2
≥ 7000	47.2	56.4	57.7	60.0	61.9	62.6	63.6	64.4	65.2	65.4	65.6	65.7	65.9	65.9	65.9	66.6
≥ 6000	48.4	58.2	59.4	61.8	64.0	64.7	65.7	66.7	67.6	67.8	67.9	68.0	68.2	68.2	68.2	68.9
≥ 5000	49.3	59.4	60.7	63.1	65.4	66.1	67.1	68.1	69.0	69.2	69.3	69.4	69.7	69.7	69.7	70.3
≥ 4500	49.9	60.0	61.2	63.7	66.1	66.8	67.8	68.9	69.8	70.0	70.1	70.2	70.4	70.4	70.4	71.1
≥ 4000	51.1	61.3	62.7	65.1	67.6	68.2	69.3	70.4	71.3	71.6	71.7	71.8	72.0	72.0	72.0	72.7
≥ 3500	51.2	61.4	62.8	65.2	67.7	68.3	69.4	70.7	71.6	71.8	71.9	72.0	72.2	72.2	72.2	72.9
≥ 3000	51.9	62.3	63.7	66.2	69.0	69.7	70.9	72.1	73.0	73.2	73.3	73.4	73.7	73.7	73.7	74.3
≥ 2500	52.3	62.9	64.4	67.1	69.9	70.7	72.0	73.2	74.1	74.3	74.4	74.6	74.8	74.8	74.8	75.4
≥ 2000	53.7	64.3	65.9	68.6	71.4	72.6	73.9	75.1	76.0	76.2	76.3	76.4	76.7	76.7	76.7	77.3
≥ 1800	53.7	64.3	65.9	68.6	71.4	72.6	73.9	75.1	76.1	76.3	76.4	76.6	76.8	76.8	76.8	77.4
≥ 1500	54.4	65.7	67.2	69.9	72.8	74.1	75.4	76.8	77.8	78.1	78.2	78.3	78.6	78.6	78.6	79.2
≥ 1200	54.9	66.4	68.3	71.1	74.1	75.7	77.0	78.3	79.3	79.7	79.8	79.9	80.1	80.1	80.1	80.8
≥ 1000	55.1	67.1	69.3	72.1	75.1	76.8	78.1	79.6	80.6	81.0	81.1	81.2	81.4	81.4	81.4	82.1
≥ 900	55.4	68.2	70.6	73.4	76.4	78.1	79.6	81.0	82.0	82.4	82.6	82.7	82.9	82.9	82.9	83.6
≥ 800	55.6	69.0	71.3	74.3	77.3	79.1	80.6	82.2	83.2	83.8	83.9	84.0	84.2	84.2	84.2	84.9
≥ 700	55.7	69.2	71.9	74.9	78.1	79.9	81.4	83.1	84.2	84.8	84.9	85.0	85.2	85.2	85.2	85.9
≥ 600	55.7	69.4	72.1	75.1	78.6	80.6	82.4	84.6	85.8	86.3	86.4	86.6	86.8	86.8	86.8	87.4
≥ 500	55.7	69.7	72.7	75.8	79.6	81.7	83.9	86.7	88.1	89.1	89.2	89.3	89.6	89.6	89.6	90.2
≥ 400	55.7	69.7	72.9	76.2	80.2	82.6	85.8	89.2	90.8	92.7	93.0	93.1	93.3	93.3	93.3	94.0
≥ 300	55.7	69.7	72.9	76.4	80.7	83.6	87.1	90.8	92.6	94.8	95.3	95.4	95.7	95.7	95.7	96.3
≥ 200	55.7	69.7	72.9	76.4	80.7	83.6	87.1	91.2	93.0	95.6	96.2	96.3	96.8	96.8	96.8	97.9
≥ 100	55.7	69.7	72.9	76.4	80.7	83.6	87.1	91.3	93.1	95.7	96.8	96.9	97.6	97.6	97.6	99.3
≥ 0	55.7	69.7	72.9	76.4	80.7	83.6	87.1	91.3	93.1	95.7	96.8	97.0	97.7	97.7	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

70166

OTIS AFB MA

68-70,73,75-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/10	≥0	≥0
NO CEILING	42.3	49.7	51.1	52.4	54.1	54.9	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	44.7	51.9	53.3	54.8	56.6	57.3	57.4	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 18000	44.7	51.9	53.3	54.8	56.6	57.3	57.4	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 16000	44.7	52.0	53.4	54.9	56.7	57.4	57.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 14000	47.4	55.7	56.4	57.9	59.7	60.4	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 12000	48.0	55.8	57.3	58.8	60.6	61.3	61.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 10000	48.9	57.1	58.9	60.4	62.3	63.1	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 9000	49.0	57.2	59.0	60.7	62.6	63.3	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 8000	50.3	58.8	61.0	62.7	64.6	65.3	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 7000	50.4	59.6	61.8	63.4	65.3	66.1	66.2	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 6000	51.6	60.7	62.9	64.7	66.6	67.3	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 5000	53.1	62.3	64.4	66.6	68.4	69.2	69.3	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 4500	53.2	62.4	64.9	66.7	68.6	69.3	69.4	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 4000	54.1	63.9	66.3	68.1	70.0	70.8	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3500	54.2	64.0	66.4	68.2	70.1	70.9	71.0	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 3000	55.2	65.0	67.8	69.7	71.6	72.3	72.4	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 2500	56.8	66.8	69.6	71.4	73.3	74.1	74.2	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 2000	58.2	69.8	72.7	74.8	77.3	78.1	78.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1800	58.3	69.9	72.8	75.0	77.8	78.6	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 1500	59.3	71.2	74.3	76.6	79.4	80.3	80.6	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 1200	59.8	72.8	76.0	78.6	81.7	82.8	83.0	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 1000	60.2	74.1	78.0	80.8	83.9	85.0	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 900	60.3	74.7	78.7	81.4	84.6	85.7	85.9	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 800	60.7	75.2	79.3	82.4	85.6	86.7	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 700	60.8	75.8	80.0	83.2	86.6	87.8	88.3	88.9	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 600	61.0	77.2	81.4	84.9	88.3	89.8	90.6	91.2	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 500	61.0	77.6	82.2	85.8	89.8	91.6	92.4	93.7	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 400	61.0	77.8	82.6	86.1	90.1	92.1	93.3	95.2	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 300	61.0	77.9	82.7	86.3	90.3	92.3	93.9	96.1	97.0	98.3	98.6	98.6	98.6	98.6	98.6	98.6
≥ 200	61.1	77.9	82.7	86.3	90.3	92.3	94.0	96.4	97.3	98.8	99.2	99.2	99.3	99.3	99.3	99.3
≥ 100	61.1	78.0	82.8	86.4	90.4	92.4	94.1	96.6	97.4	99.0	99.4	99.4	99.6	99.6	99.8	99.8
≥ 0	61.1	78.0	82.8	86.4	90.4	92.4	94.1	96.6	97.4	99.0	99.7	99.7	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725 64

OTIS AFB MA

66-70, 73, 75-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/10	≥1/8	≥0
NO CEILING	44.6	50.1	51.9	53.7	55.3	55.7	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 20000	46.3	52.9	54.7	56.6	58.2	58.6	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 18000	46.7	53.1	54.8	56.7	58.3	58.7	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 16000	46.9	53.3	54.8	56.7	58.3	58.7	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 14000	49.2	55.8	57.6	59.7	61.3	61.7	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 12000	50.1	56.8	58.6	60.7	62.3	62.7	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 10000	51.6	58.4	60.4	62.7	64.6	65.0	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 9000	51.6	58.4	60.4	62.7	64.7	65.1	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 8000	52.3	60.1	62.4	64.7	66.7	67.1	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 7000	52.4	60.3	62.7	64.9	66.9	67.3	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 6000	53.0	61.3	63.7	65.9	67.9	68.3	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 5000	54.7	63.1	65.4	67.7	69.7	70.1	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4500	54.7	63.1	65.4	67.7	69.7	70.1	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4000	56.1	65.1	67.4	69.7	71.7	72.1	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3500	56.7	65.7	68.1	70.2	72.2	72.7	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 3000	58.2	67.7	70.1	72.3	74.3	74.8	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 2500	59.9	69.4	71.8	74.2	76.3	76.8	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2000	61.9	73.1	75.4	78.1	80.2	80.7	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 1800	62.3	73.6	75.9	78.6	80.8	81.2	81.4	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 1500	63.0	75.7	78.3	81.2	83.7	84.1	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1200	63.8	77.0	79.9	83.0	85.7	86.3	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1000	63.9	78.6	81.9	85.0	87.9	88.6	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 900	64.1	79.0	82.4	85.6	88.4	89.3	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 800	64.2	79.6	83.1	86.7	89.7	90.9	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 700	64.4	80.8	84.4	88.1	91.2	92.6	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 600	64.4	81.1	84.9	88.7	91.8	93.4	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	64.4	81.2	85.0	88.8	92.2	94.1	94.7	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	64.4	81.3	85.2	89.1	92.6	94.7	95.7	96.9	97.2	97.3	97.3	97.3	97.3	97.4	97.4	97.4
≥ 300	64.4	81.7	85.6	89.6	93.2	95.7	96.8	98.4	98.9	99.2	99.3	99.3	99.4	99.4	99.4	99.4
≥ 200	64.4	81.7	85.6	89.6	93.2	95.7	96.9	98.8	99.2	99.6	99.8	99.8	99.9	99.9	99.9	99.9
≥ 100	64.4	81.7	85.6	89.6	93.2	95.7	96.9	98.8	99.2	99.6	99.8	99.8	99.9	99.9	100.0	100.0
≥ 0	64.4	81.7	85.6	89.6	93.2	95.7	96.9	98.8	99.2	99.6	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

01 68

OTIS AFB MA

68-70,73,75-RJ

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	44.8	50.6	51.9	53.2	54.8	55.0	55.9	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 20000	47.8	54.0	55.3	56.8	58.3	58.6	59.4	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 18000	47.9	54.1	55.4	56.9	58.4	58.7	59.6	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000	48.7	54.2	55.6	57.0	58.6	58.8	59.7	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 14000	49.9	56.2	57.6	59.3	60.9	61.1	62.0	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 12000	50.9	57.4	59.8	60.7	62.3	62.6	63.4	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 10000	53.3	60.0	61.7	64.1	65.9	66.1	67.1	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 9000	53.3	60.0	61.7	64.1	65.9	66.1	67.1	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 8000	54.8	61.9	63.7	66.4	68.2	68.4	69.4	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 7000	55.7	63.0	64.8	67.6	69.3	69.6	70.6	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 6000	56.3	64.0	65.9	69.0	70.8	71.0	72.0	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 5000	57.8	65.4	67.7	70.8	72.6	72.8	73.8	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 4500	57.9	65.7	67.9	71.0	72.8	73.0	74.0	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 4000	59.6	67.7	69.9	73.1	74.9	75.2	76.2	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 3500	60.6	68.7	70.9	74.1	75.9	76.2	77.2	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 3000	61.4	69.7	72.0	75.2	77.0	77.3	78.3	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 2500	62.6	71.2	73.8	77.0	78.9	79.2	80.4	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 2000	63.2	72.0	74.8	78.2	80.1	80.4	81.8	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 1800	63.3	72.1	74.9	78.3	80.2	80.6	81.9	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1500	63.8	73.1	76.1	79.9	82.0	82.3	83.8	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 1200	64.3	74.0	77.0	81.2	83.4	83.8	85.4	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1000	64.7	74.7	77.8	82.4	85.2	85.7	87.3	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 900	64.7	74.7	77.8	82.9	85.7	86.1	87.8	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 800	64.9	75.4	78.8	84.3	87.3	88.0	89.7	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 700	64.9	76.3	80.0	85.6	88.8	89.8	91.6	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 600	65.2	77.0	81.3	87.1	90.3	91.3	93.3	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 500	65.2	77.3	81.7	87.6	91.1	92.1	94.2	94.9	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3
≥ 400	65.2	77.3	82.1	88.0	91.7	92.8	95.2	96.7	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1
≥ 300	65.2	77.6	82.4	88.3	92.0	93.4	95.9	97.6	97.9	98.0	98.3	98.3	98.4	98.4	98.4	98.4
≥ 200	65.2	77.6	82.4	88.3	92.1	93.6	96.0	97.7	98.0	98.3	98.9	98.9	99.1	99.1	99.2	99.2
≥ 100	65.2	77.6	82.4	88.3	92.1	93.6	96.0	97.7	98.0	98.3	99.0	99.0	99.8	99.8	100.0	100.0
≥ 0	65.2	77.6	82.4	88.3	92.1	93.6	96.0	97.7	98.0	98.3	99.0	99.0	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NO 69

OTIS AFB MA

68-70,73,75-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-1800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/10	≥1/20	≥0
NO CEILING	35.3	50.4	51.3	52.1	52.9	53.1	53.8	54.1	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.6
≥ 20000	36.7	53.7	55.7	55.8	56.8	57.0	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.6	58.6	58.7
≥ 18000	37.1	53.9	55.2	56.3	57.0	57.2	58.0	58.4	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.9
≥ 16000	37.1	53.9	55.2	56.0	57.0	57.2	58.0	58.4	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.9
≥ 14000	38.3	55.2	56.9	57.7	58.7	58.9	59.7	60.1	60.3	60.3	60.3	60.3	60.3	60.4	60.4	60.6
≥ 12000	39.1	56.3	58.7	58.8	59.9	60.2	61.1	61.7	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.1
≥ 10000	40.0	58.0	59.9	61.0	62.7	63.0	64.0	64.7	64.9	64.9	64.9	64.9	64.9	65.0	65.0	65.1
≥ 9000	40.0	58.0	59.9	61.0	62.7	63.0	64.0	64.7	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.2
≥ 8000	42.6	61.2	63.4	64.9	66.7	67.2	68.3	69.0	69.3	69.3	69.3	69.3	69.3	69.4	69.4	69.6
≥ 7000	43.2	62.4	64.7	66.1	67.9	68.4	69.6	70.2	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.9
≥ 6000	43.3	63.8	66.0	67.4	69.2	69.8	70.9	71.6	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.2
≥ 5000	45.2	66.2	68.7	70.1	71.9	72.8	73.9	74.6	75.0	75.0	75.0	75.0	75.0	75.1	75.1	75.2
≥ 4500	45.3	66.8	69.4	70.9	72.7	73.6	74.7	75.3	75.8	75.8	75.8	75.8	75.8	75.9	75.9	76.0
≥ 4000	46.0	68.0	71.0	72.4	74.2	75.2	76.3	77.0	77.4	77.4	77.4	77.4	77.4	77.6	77.6	77.7
≥ 3500	46.4	68.9	72.3	73.4	75.2	76.2	77.3	78.0	78.4	78.4	78.4	78.4	78.4	78.6	78.6	78.7
≥ 3000	47.7	70.2	73.4	74.9	76.8	77.8	78.9	79.6	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.2
≥ 2500	48.2	71.6	74.8	76.3	78.6	79.6	80.7	81.3	81.8	81.8	81.8	81.8	81.8	81.9	81.9	82.0
≥ 2000	48.7	72.3	75.7	77.2	79.4	80.4	81.7	82.3	82.8	82.8	82.8	82.8	82.8	82.9	82.9	83.0
≥ 1800	48.8	72.4	75.9	77.4	79.7	80.7	81.9	82.6	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.2
≥ 1500	49.2	73.1	76.6	78.1	80.3	81.3	82.7	83.3	83.8	83.8	83.8	83.8	83.8	83.9	83.9	84.0
≥ 1200	49.7	74.1	77.6	79.3	81.6	82.6	83.9	84.6	85.0	85.0	85.0	85.0	85.0	85.1	85.1	85.2
≥ 1000	49.8	74.6	78.1	79.9	82.4	83.4	85.0	85.7	86.1	86.1	86.1	86.1	86.1	86.2	86.2	86.3
≥ 900	50.0	74.9	78.4	80.2	83.0	84.1	85.7	86.3	86.8	86.8	86.8	86.8	86.8	86.9	86.9	87.0
≥ 800	50.1	75.7	79.4	81.3	84.3	85.4	87.2	87.9	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.6
≥ 700	50.2	75.9	79.8	81.8	84.9	86.1	88.1	88.8	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.4
≥ 600	50.2	76.6	80.4	82.4	85.9	87.2	89.8	90.4	91.0	91.0	91.0	91.1	91.1	91.2	91.2	91.3
≥ 500	50.2	76.7	80.9	83.1	87.4	89.0	91.7	92.3	92.9	93.0	93.1	93.1	93.1	93.2	93.2	93.3
≥ 400	50.2	76.8	81.0	83.2	87.7	89.2	92.1	93.0	93.7	94.1	94.2	94.2	94.2	94.3	94.3	94.4
≥ 300	50.2	76.8	81.2	83.4	88.2	89.9	92.9	94.0	94.8	95.6	95.9	95.9	95.9	96.1	96.1	96.2
≥ 200	50.2	76.8	81.2	83.4	88.4	90.1	93.1	94.3	95.1	96.6	97.2	97.2	97.2	97.7	97.8	97.9
≥ 100	50.2	76.8	81.2	83.4	88.4	90.1	93.1	94.3	95.1	97.1	97.8	97.8	97.8	98.4	98.7	99.0
≥ 0	50.2	76.8	81.2	83.4	88.4	90.1	93.1	94.3	95.1	97.1	97.8	97.8	97.8	98.4	98.8	99.6

TOTAL NUMBER OF OBSERVATIONS 900

JOINT CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

FORM 68

OTIS AFB MA

68-70, 73, 75-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	35.7	54.4	55.2	56.6	57.4	58.1	58.9	59.4	59.6	59.7	59.7	59.7	59.8	59.8	59.8	60.0
≥ 20000	36.7	56.3	57.1	58.6	59.4	60.1	61.0	61.6	61.7	61.8	61.8	61.8	61.9	61.9	61.9	62.1
≥ 18000	36.7	56.3	57.1	58.6	59.4	60.1	61.0	61.6	61.7	61.8	61.8	61.8	61.9	61.9	61.9	62.1
≥ 16000	36.7	56.3	57.1	58.6	59.4	60.1	61.0	61.6	61.7	61.8	61.8	61.8	61.9	61.9	61.9	62.1
≥ 14000	38.7	57.8	58.7	60.1	61.0	61.7	62.6	63.1	63.2	63.3	63.3	63.3	63.4	63.4	63.4	63.7
≥ 12000	38.9	58.9	59.8	61.2	62.1	62.8	63.7	64.2	64.3	64.4	64.4	64.4	64.6	64.6	64.6	64.8
≥ 10000	39.7	60.3	61.4	62.9	63.9	64.6	65.6	66.1	66.2	66.3	66.3	66.3	66.4	66.4	66.4	66.7
≥ 9000	39.7	60.3	61.4	62.9	63.9	64.6	65.6	66.1	66.2	66.3	66.3	66.3	66.4	66.4	66.4	66.7
≥ 8000	41.3	63.7	64.9	66.4	68.0	68.7	69.9	70.6	70.7	70.8	70.8	70.8	70.9	70.9	70.9	71.1
≥ 7000	42.6	64.7	65.9	67.6	69.1	69.8	71.0	71.7	71.8	71.9	71.9	71.9	72.0	72.0	72.0	72.2
≥ 6000	43.3	65.7	67.1	68.8	70.3	71.0	72.2	72.9	73.0	73.1	73.1	73.1	73.2	73.2	73.2	73.4
≥ 5000	43.6	66.9	68.4	70.1	71.9	72.6	73.8	74.4	74.6	74.7	74.7	74.7	74.8	74.8	74.8	75.0
≥ 4500	44.7	67.7	69.2	70.9	72.7	73.3	74.6	75.2	75.3	75.4	75.4	75.4	75.6	75.6	75.6	75.8
≥ 4000	44.6	68.7	70.3	72.2	74.0	74.8	76.0	76.7	76.8	76.9	76.9	76.9	77.0	77.0	77.0	77.2
≥ 3500	44.6	69.0	70.7	72.6	74.3	75.1	76.3	77.0	77.1	77.2	77.2	77.2	77.3	77.3	77.3	77.6
≥ 3000	44.9	70.1	72.0	74.0	75.8	76.6	77.8	78.4	78.6	78.7	78.7	78.7	78.8	78.8	78.8	79.0
≥ 2500	45.4	71.8	73.7	75.7	77.4	78.2	79.4	80.1	80.2	80.3	80.3	80.3	80.4	80.4	80.4	80.7
≥ 2000	45.7	72.1	74.0	76.2	78.1	78.9	80.1	80.8	80.9	81.0	81.0	81.0	81.1	81.1	81.1	81.3
≥ 1800	45.3	72.6	74.6	76.8	78.7	79.4	80.7	81.3	81.4	81.6	81.6	81.6	81.7	81.7	81.7	81.9
≥ 1500	46.0	73.1	75.4	77.8	79.7	80.4	81.7	82.3	82.4	82.6	82.6	82.6	82.7	82.7	82.7	82.9
≥ 1200	46.1	73.8	76.1	78.4	80.3	81.1	82.4	83.1	83.2	83.3	83.3	83.3	83.4	83.4	83.4	83.7
≥ 1000	46.6	74.4	76.8	79.2	81.1	82.0	83.3	84.0	84.1	84.3	84.3	84.3	84.4	84.4	84.4	84.7
≥ 900	46.7	74.7	77.0	79.4	81.4	82.3	83.7	84.3	84.4	84.7	84.7	84.7	84.8	84.8	84.8	85.0
≥ 800	46.7	75.0	77.7	80.1	82.2	83.1	84.4	85.1	85.2	85.4	85.4	85.4	85.6	85.6	85.6	85.8
≥ 700	46.8	75.4	78.1	80.6	82.9	83.8	85.3	86.0	86.1	86.3	86.3	86.3	86.4	86.4	86.4	86.7
≥ 600	46.9	75.9	78.7	81.1	83.7	84.6	86.9	87.7	87.8	88.0	88.0	88.0	88.1	88.1	88.1	88.3
≥ 500	46.9	76.0	78.9	81.3	84.3	85.4	88.4	89.4	89.6	89.8	89.8	89.8	89.9	89.9	89.9	90.1
≥ 400	46.9	76.0	79.0	81.7	84.8	86.0	89.7	90.7	91.1	91.4	91.4	91.4	91.6	91.6	91.6	91.8
≥ 300	46.9	76.0	79.0	81.8	85.2	86.4	90.6	91.7	92.6	93.1	93.3	93.4	93.6	93.6	93.6	93.8
≥ 200	46.9	76.0	79.0	81.8	85.3	86.6	90.9	92.3	93.3	94.8	95.1	95.2	95.6	95.8	95.8	96.0
≥ 100	46.8	76.0	79.0	81.8	85.3	86.6	90.9	92.3	93.3	95.4	96.0	96.2	97.2	97.4	98.0	99.1
≥ 0	46.9	76.0	79.0	81.8	85.3	86.6	90.9	92.3	93.3	95.4	96.0	96.2	97.3	97.7	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

LOCAL CLIMATOLOGY BRANCH
 WAFETAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NO 68

UTIS AFB MA

68-70, 73, 75-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING	38.3	50.1	51.2	52.5	53.7	54.2	54.8	55.2	55.5	55.6	55.6	55.6	55.8	55.8	55.8	56.0
≥ 20000	27.9	52.3	53.6	54.9	56.2	56.7	57.3	57.7	58.0	58.1	58.2	58.2	58.3	58.3	58.3	58.6
≥ 18000	39.9	52.3	53.6	55.0	56.3	56.7	57.3	57.8	58.1	58.2	58.2	58.2	58.3	58.3	58.4	58.6
≥ 16000	39.9	52.4	53.6	55.0	56.3	56.7	57.4	57.8	58.1	58.2	58.3	58.3	58.4	58.4	58.4	58.7
≥ 14000	41.6	54.2	55.6	57.0	58.3	58.7	59.4	59.8	60.1	60.3	60.3	60.3	60.4	60.4	60.5	60.7
≥ 12000	42.2	55.0	56.3	57.8	59.1	59.6	60.2	60.7	61.0	61.1	61.2	61.2	61.3	61.3	61.3	61.6
≥ 10000	43.9	57.1	58.7	60.4	61.8	62.3	63.0	63.5	63.8	63.9	64.0	64.0	64.1	64.1	64.2	64.4
≥ 9000	43.9	57.2	58.6	60.5	62.0	62.5	63.2	63.7	64.0	64.1	64.2	64.2	64.3	64.3	64.4	64.6
≥ 8000	45.4	59.2	61.0	62.8	64.5	65.0	65.8	66.3	66.7	66.9	66.9	66.9	67.0	67.0	67.1	67.3
≥ 7000	45.9	60.3	62.1	63.9	65.5	66.1	66.9	67.4	67.9	68.0	68.0	68.0	68.2	68.2	68.2	68.5
≥ 6000	46.7	61.5	63.4	65.2	67.0	67.5	68.4	69.0	69.4	69.5	69.5	69.6	69.7	69.7	69.7	70.0
≥ 5000	47.8	63.0	65.0	66.9	68.7	69.3	70.2	70.8	71.2	71.3	71.4	71.4	71.5	71.5	71.5	71.8
≥ 4500	48.0	63.4	65.4	67.3	69.2	69.7	70.6	71.2	71.6	71.7	71.8	71.8	71.9	71.9	72.0	72.2
≥ 4000	49.2	65.0	67.1	69.0	70.9	71.6	72.4	73.0	73.5	73.6	73.6	73.6	73.8	73.8	73.8	74.1
≥ 3500	49.5	65.5	67.6	69.6	71.5	72.1	73.0	73.6	74.0	74.2	74.2	74.2	74.4	74.4	74.4	74.6
≥ 3000	50.6	66.9	69.1	71.1	73.1	73.8	74.6	75.3	75.7	75.8	75.9	75.9	76.0	76.0	76.1	76.3
≥ 2500	51.4	68.2	70.5	72.6	74.6	75.3	76.3	76.9	77.3	77.4	77.5	77.5	77.6	77.6	77.7	77.9
≥ 2000	52.3	69.7	72.1	74.4	76.6	77.3	78.3	78.9	79.3	79.4	79.5	79.5	79.6	79.6	79.7	79.9
≥ 1800	52.4	70.0	72.4	74.7	76.9	77.7	78.7	79.3	79.7	79.8	79.9	79.9	80.0	80.0	80.1	80.3
≥ 1500	53.0	71.1	73.7	76.1	78.4	79.2	80.2	80.8	81.3	81.4	81.5	81.5	81.6	81.6	81.7	81.9
≥ 1200	53.4	72.1	74.7	77.3	79.7	80.6	81.7	82.3	82.8	82.9	83.0	83.0	83.1	83.1	83.2	83.4
≥ 1000	53.6	72.8	75.7	78.4	81.0	81.9	83.0	83.7	84.2	84.4	84.4	84.4	84.6	84.6	84.6	84.8
≥ 900	53.8	73.3	76.2	79.0	81.7	82.7	83.8	84.5	85.0	85.1	85.2	85.2	85.3	85.3	85.4	85.6
≥ 800	53.9	73.9	77.0	80.0	82.7	83.8	84.9	85.7	86.2	86.3	86.4	86.4	86.5	86.5	86.6	86.8
≥ 700	54.0	74.4	77.6	80.8	83.7	84.9	86.2	86.9	87.4	87.6	87.7	87.7	87.8	87.8	87.9	88.1
≥ 600	54.1	74.9	78.4	81.6	84.7	86.0	87.6	88.6	89.1	89.3	89.4	89.4	89.5	89.5	89.6	89.8
≥ 500	54.1	75.2	78.8	82.1	85.7	87.2	89.2	90.4	91.1	91.4	91.6	91.6	91.7	91.7	91.8	92.0
≥ 400	54.1	75.3	79.1	82.6	86.3	88.0	90.5	92.1	93.0	93.6	93.8	93.8	94.0	94.0	94.0	94.3
≥ 300	54.1	75.4	79.3	82.9	86.7	88.6	91.3	93.3	94.4	95.3	95.7	95.8	95.9	95.9	96.0	96.2
≥ 200	54.1	75.4	79.3	82.9	86.8	88.6	91.6	93.7	94.9	96.1	96.8	96.9	97.2	97.2	97.4	97.6
≥ 100	54.1	75.4	79.3	82.9	86.8	88.6	91.6	93.8	94.9	96.4	97.2	97.3	98.0	98.1	98.5	99.1
≥ 0	54.1	75.4	79.3	82.9	86.8	88.6	91.6	93.8	94.9	96.4	97.2	97.3	98.0	98.1	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7195

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1966

OTIS AFB MA

66-70,73,75-80

1967

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1966-1967
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	27.6	49.6	51.5	52.0	53.4	54.1	55.0	55.1	55.4	55.5	55.9	56.1	56.1	56.1	56.1	56.4
≥20000	28.1	50.3	51.1	52.6	54.0	54.8	55.7	55.8	56.1	56.2	56.5	56.7	56.7	56.7	56.7	57.1
≥18000	28.1	50.3	51.1	52.6	54.0	54.8	55.7	55.8	56.1	56.2	56.5	56.7	56.7	56.7	56.7	57.1
≥16000	29.1	51.5	52.3	53.8	55.2	56.0	56.8	56.9	57.3	57.4	57.7	57.9	57.9	57.9	57.9	58.2
≥14000	29.2	51.6	52.4	54.3	55.8	56.5	57.4	57.5	57.8	57.9	58.2	58.4	58.4	58.4	58.4	58.9
≥12000	30.7	54.3	55.2	57.1	58.6	59.3	60.2	60.4	60.7	60.8	61.1	61.4	61.4	61.4	61.4	61.7
≥10000	30.7	54.5	55.4	57.3	58.8	59.5	60.4	60.6	60.9	61.0	61.4	61.6	61.6	61.6	61.6	61.9
≥8000	31.3	56.2	57.4	59.4	60.9	61.7	62.5	62.8	63.1	63.2	63.5	63.7	63.7	63.7	63.7	64.0
≥7000	31.4	56.9	58.1	60.2	61.7	62.4	63.3	63.5	63.8	63.9	64.3	64.5	64.5	64.5	64.5	64.8
≥6000	33.5	59.8	61.1	63.2	64.9	65.7	66.5	66.7	67.1	67.2	67.5	67.7	67.7	67.7	67.7	68.0
≥5000	34.2	61.1	62.6	64.7	66.4	67.3	68.1	68.4	68.7	68.8	69.1	69.3	69.3	69.3	69.3	69.6
≥4500	34.4	61.6	63.1	65.1	66.8	67.7	68.6	68.8	69.1	69.2	69.5	69.8	69.8	69.8	69.8	70.1
≥4000	35.6	64.6	66.1	68.4	70.1	70.9	71.8	72.0	72.3	72.4	72.8	73.0	73.0	73.0	73.0	73.3
≥3500	35.7	65.4	67.1	69.2	70.9	71.8	72.7	72.9	73.2	73.3	73.6	73.8	73.8	73.8	73.8	74.2
≥3000	36.2	66.7	68.5	70.7	72.7	73.7	74.6	74.8	75.1	75.2	75.6	75.8	75.8	75.8	75.8	76.1
≥2500	37.2	68.5	70.2	72.4	74.5	75.6	76.4	76.6	77.0	77.1	77.4	77.6	77.6	77.6	77.6	77.9
≥2000	38.0	70.0	72.1	74.5	76.6	77.7	78.6	78.8	79.1	79.2	79.5	79.8	79.8	79.8	79.8	80.1
≥1800	38.0	70.2	72.4	74.9	77.1	78.1	79.0	79.2	79.5	79.7	80.0	80.2	80.2	80.2	80.2	80.5
≥1500	38.1	70.6	72.9	75.5	77.8	78.9	79.8	80.0	80.3	80.4	80.7	80.9	80.9	80.9	80.9	81.2
≥1200	38.2	71.4	73.7	76.3	79.0	80.2	81.1	81.4	81.7	81.8	82.1	82.3	82.3	82.3	82.3	82.7
≥1000	38.2	71.5	74.0	76.7	79.5	80.7	81.7	82.0	82.3	82.5	82.8	83.0	83.0	83.0	83.0	83.3
≥900	38.4	71.8	74.4	77.3	80.1	81.6	82.7	83.0	83.3	83.4	83.7	84.0	84.0	84.0	84.0	84.3
≥800	38.5	72.1	74.7	77.7	80.6	82.1	83.3	83.6	84.0	84.1	84.4	84.6	84.6	84.6	84.6	84.9
≥700	39.0	72.8	75.3	78.5	81.8	83.3	84.7	85.0	85.4	85.5	85.8	86.0	86.0	86.0	86.0	86.3
≥600	39.0	73.0	75.8	78.9	82.7	84.4	86.1	86.4	86.9	87.0	87.3	87.5	87.5	87.5	87.5	87.8
≥500	39.0	73.2	76.0	79.4	83.4	85.1	86.9	87.2	87.7	87.9	88.3	88.5	88.5	88.5	88.5	88.8
≥400	39.1	73.5	76.3	80.1	84.3	86.1	88.4	88.8	89.9	90.1	90.4	90.6	90.6	90.6	90.6	91.0
≥300	39.1	74.2	77.0	80.7	85.0	87.2	89.6	90.2	91.5	91.7	92.1	92.4	92.4	92.4	92.4	92.7
≥200	39.1	74.3	77.1	80.8	85.1	87.3	90.1	90.9	92.2	92.7	93.4	93.6	94.1	94.2	94.2	94.5
≥100	39.2	74.4	77.2	80.9	85.3	87.4	90.2	91.0	92.5	93.3	94.1	94.4	95.4	95.7	96.1	97.3
≥0	39.2	74.4	77.2	80.9	85.3	87.4	90.2	91.0	92.5	93.4	94.2	94.5	95.6	95.9	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
4 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

121 63

OTIS AFB MA

68-70,73,75-FJ

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	25.4	46.2	47.5	49.0	50.5	50.8	51.7	52.2	52.6	52.8	53.0	53.0	53.1	53.4	53.5	53.8
≥ 20000	25.9	46.8	48.1	49.6	51.1	51.3	52.3	52.7	53.1	53.3	53.5	53.5	53.7	54.0	54.1	54.3
≥ 18000	25.9	46.8	48.1	49.6	51.1	51.3	52.3	52.7	53.1	53.3	53.5	53.5	53.7	54.0	54.1	54.3
≥ 16000	25.9	46.8	48.1	49.6	51.1	51.3	52.3	52.7	53.1	53.3	53.5	53.5	53.7	54.0	54.1	54.3
≥ 14000	27.3	48.2	49.5	51.0	52.6	52.8	53.8	54.2	54.6	54.8	55.1	55.1	55.2	55.5	55.6	55.8
≥ 12000	27.3	48.5	49.8	51.4	53.0	53.2	54.2	54.6	55.1	55.3	55.5	55.5	55.6	55.9	56.0	56.2
≥ 10000	30.4	52.9	54.2	55.8	57.5	57.7	58.7	59.1	59.6	59.8	60.0	60.0	60.1	60.4	60.5	60.8
≥ 9000	30.4	53.2	54.5	56.1	58.0	58.2	59.1	59.6	60.0	60.2	60.4	60.4	60.5	60.9	61.0	61.2
≥ 8000	31.5	55.6	56.9	58.6	60.4	60.6	61.6	62.0	62.5	62.7	62.9	62.9	63.0	63.3	63.4	63.7
≥ 7000	32.2	56.9	58.1	59.8	61.6	61.8	62.8	63.2	63.7	63.9	64.1	64.1	64.2	64.5	64.6	64.8
≥ 6000	33.5	59.2	60.6	62.4	64.2	64.4	65.4	65.8	66.2	66.5	66.8	66.8	66.9	67.2	67.3	67.5
≥ 5000	34.7	61.5	63.0	64.7	66.7	66.9	67.8	68.3	68.7	68.9	69.4	69.4	69.6	69.9	70.0	70.2
≥ 4500	35.2	62.3	63.8	65.5	67.4	67.6	68.6	69.0	69.5	69.7	70.1	70.1	70.3	70.6	70.8	71.0
≥ 4000	36.6	64.2	65.8	67.8	69.8	70.0	71.1	71.5	71.9	72.2	72.6	72.6	72.8	73.1	73.2	73.4
≥ 3500	37.1	64.8	66.5	68.6	70.5	70.8	71.8	72.3	72.7	72.9	73.3	73.3	73.5	73.9	74.0	74.2
≥ 3000	37.8	67.0	69.0	71.2	73.4	73.7	74.9	75.4	75.8	76.0	76.5	76.5	76.7	77.0	77.1	77.3
≥ 2500	38.6	68.3	70.0	72.3	74.5	74.7	76.0	76.5	76.9	77.1	77.5	77.5	77.7	78.1	78.2	78.4
≥ 2000	39.5	69.5	71.6	73.9	76.1	76.3	77.7	78.2	78.6	78.8	79.2	79.2	79.5	79.8	79.9	80.1
≥ 1800	39.5	70.0	72.2	74.4	76.7	76.9	78.3	78.7	79.1	79.4	79.8	79.8	80.0	80.3	80.4	80.6
≥ 1500	39.6	70.4	72.6	74.8	77.2	77.4	78.8	79.2	79.7	79.9	80.3	80.3	80.5	80.9	81.0	81.2
≥ 1200	39.9	70.9	73.1	75.5	78.3	78.6	80.0	80.4	80.9	81.1	81.5	81.5	81.7	82.0	82.2	82.4
≥ 1000	39.9	71.5	73.8	76.6	79.5	79.9	81.3	81.8	82.4	82.6	83.0	83.0	83.2	83.5	83.7	83.9
≥ 900	39.9	71.5	73.8	76.8	79.8	80.2	81.6	82.3	82.8	83.0	83.4	83.4	83.7	84.0	84.1	84.3
≥ 800	39.9	71.8	74.2	77.2	80.3	81.0	82.6	83.2	83.8	84.0	84.4	84.4	84.6	84.9	85.1	85.3
≥ 700	39.9	72.3	74.7	77.8	81.1	81.7	83.7	84.4	84.9	85.2	85.6	85.6	85.8	86.1	86.2	86.5
≥ 600	40.0	72.6	75.4	78.9	82.4	83.1	85.5	86.2	86.8	87.0	87.4	87.4	87.6	88.0	88.1	88.3
≥ 500	40.2	72.9	76.0	79.6	83.1	84.0	86.6	87.4	88.2	88.4	88.9	88.9	89.1	89.5	89.6	89.8
≥ 400	40.2	73.0	76.2	80.0	83.8	84.6	87.5	88.7	89.8	90.0	90.5	90.5	90.9	91.2	91.4	91.6
≥ 300	40.2	73.0	76.5	80.2	84.3	85.3	88.4	90.0	91.1	91.4	91.9	91.9	92.5	92.8	93.0	93.2
≥ 200	40.3	73.2	76.7	80.4	84.5	85.5	88.9	90.9	92.0	92.6	93.4	93.5	94.1	94.5	94.8	95.1
≥ 100	40.4	73.3	76.8	80.5	84.6	85.6	89.1	91.1	92.3	92.9	94.0	94.1	95.3	95.7	96.5	97.3
≥ 0	40.4	73.3	76.8	80.5	84.6	85.6	89.1	91.1	92.3	92.9	94.0	94.1	95.4	95.8	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 933

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

1966

OTIS AFB MA

60-70, 73, 75-80

1960

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1960-1960

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	73.3	42.1	45.3	46.3	47.5	47.9	48.4	48.9	49.4	49.5	49.9	49.9	49.9	49.9	50.1	50.6
≥ 2000	33.3	42.7	45.2	47.3	47.4	48.9	49.4	49.8	50.5	50.6	51.1	51.1	51.1	51.1	51.2	52.1
≥ 1800	33.3	42.8	46.3	47.4	48.5	49.3	49.5	49.9	50.6	50.7	51.2	51.2	51.2	51.2	51.3	52.2
≥ 1600	33.3	42.8	46.3	47.4	48.5	49.3	49.5	49.9	50.6	50.7	51.2	51.2	51.2	51.2	51.3	52.2
≥ 1400	33.3	44.1	47.6	48.7	50.1	50.5	51.0	51.5	52.1	52.2	52.7	52.7	52.7	52.7	53.0	53.8
≥ 1200	33.6	44.9	48.3	49.4	51.8	51.2	51.8	52.2	52.9	53.0	53.5	53.5	53.5	53.5	53.7	54.6
≥ 1000	33.7	49.2	52.6	53.7	55.1	55.5	56.1	56.6	57.3	57.4	57.9	57.9	57.9	57.9	58.1	59.0
≥ 900	33.7	49.5	53.2	54.3	55.7	56.1	56.6	57.2	57.8	57.9	58.4	58.4	58.4	58.4	58.7	59.5
≥ 800	41.3	52.5	56.4	57.7	59.3	59.7	60.3	60.8	61.5	61.6	62.1	62.1	62.1	62.1	62.3	63.2
≥ 700	42.7	54.5	59.3	59.7	61.5	61.9	62.4	63.0	63.6	63.7	64.3	64.3	64.3	64.3	64.5	65.3
≥ 600	45.3	57.1	61.0	62.4	64.3	64.8	65.3	65.9	66.5	66.6	67.2	67.2	67.2	67.2	67.4	68.2
≥ 500	47.7	59.7	63.7	65.4	67.3	67.8	68.5	69.0	69.6	69.8	70.3	70.3	70.3	70.3	70.6	71.5
≥ 450	47.5	61.2	64.2	66.0	67.8	68.4	69.0	69.5	70.2	70.3	70.8	70.8	70.8	70.8	71.2	72.0
≥ 400	48.2	61.2	65.3	67.3	69.5	70.1	70.7	71.3	71.9	72.0	72.6	72.6	72.6	72.6	72.9	73.7
≥ 350	48.9	62.0	66.1	68.0	70.3	70.8	71.5	72.0	72.7	72.8	73.3	73.3	73.3	73.3	73.6	74.5
≥ 300	49.6	64.2	68.5	70.4	72.8	73.3	74.0	74.5	75.1	75.2	75.6	75.8	75.8	75.8	76.1	77.0
≥ 250	50.4	65.4	69.8	71.8	74.4	74.9	75.6	76.1	76.7	76.9	77.4	77.4	77.4	77.4	77.7	78.6
≥ 200	52.3	66.2	72.6	74.7	77.6	78.1	78.9	79.5	80.2	80.3	80.8	80.8	80.8	80.8	81.2	82.0
≥ 180	52.4	68.5	72.8	74.9	77.8	78.4	79.1	79.8	80.4	80.5	81.1	81.1	81.1	81.1	81.4	82.2
≥ 160	52.7	69.0	73.4	75.8	78.7	79.4	80.2	80.8	81.5	81.6	82.1	82.1	82.1	82.1	82.5	83.3
≥ 140	53.1	69.9	74.4	76.9	79.8	80.5	81.4	82.0	82.7	82.8	83.3	83.3	83.3	83.3	83.6	84.5
≥ 120	53.2	70.3	74.9	77.4	80.5	81.4	82.5	83.4	84.1	84.2	84.7	84.7	84.7	84.7	85.0	85.9
≥ 100	53.2	70.3	75.0	77.5	80.7	81.6	82.7	83.9	84.5	84.6	85.1	85.1	85.1	85.1	85.5	86.3
≥ 80	53.2	70.3	75.0	77.5	80.8	81.7	83.0	84.2	84.8	84.9	85.5	85.5	85.5	85.5	85.9	86.7
≥ 70	53.4	70.5	75.2	77.7	81.1	81.9	83.3	84.5	85.3	85.4	85.9	85.9	85.9	85.9	86.2	87.1
≥ 60	53.5	70.7	75.5	78.0	81.6	82.6	84.0	85.1	86.0	86.1	86.7	86.7	86.7	86.7	87.0	87.8
≥ 50	53.6	71.0	76.0	78.7	83.0	84.2	86.0	87.3	88.3	88.4	88.9	88.9	88.9	88.9	89.2	90.1
≥ 40	53.6	71.5	76.5	79.4	83.7	85.0	87.7	89.1	90.5	90.9	91.5	91.5	91.5	91.6	91.9	92.8
≥ 30	53.6	71.5	76.6	79.5	84.1	85.7	88.5	90.5	92.0	92.7	93.3	93.3	93.3	93.5	93.9	94.7
≥ 20	53.6	71.5	76.6	79.5	84.2	85.8	88.7	91.0	92.6	93.5	94.5	94.5	94.5	94.9	95.6	96.3
≥ 10	53.6	71.5	76.6	79.5	84.2	85.8	88.7	91.0	92.6	93.5	94.5	94.5	95.2	95.4	96.2	97.8
≥ 0	53.6	71.5	76.6	79.5	84.2	85.8	88.7	91.0	92.6	93.5	94.5	94.5	95.2	95.5	96.4	98.0

TOTAL NUMBER OF OBSERVATIONS 929

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

105 68

OTIS AFB MA

68-70, 73, 75-80

007

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

7J0-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	39.5	49.7	51.3	51.8	52.3	52.4	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000	41.7	51.5	53.1	53.7	54.1	54.2	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 18000	41.7	51.5	53.1	53.7	54.1	54.2	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 16000	41.7	51.5	53.1	53.7	54.1	54.2	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 14000	42.9	53.5	55.2	55.7	56.3	56.5	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 12000	43.4	54.7	56.3	56.9	57.5	57.6	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 10000	47.7	59.5	61.2	61.7	62.4	62.5	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 9000	47.7	59.8	61.5	62.0	62.7	62.8	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 8000	49.6	62.2	64.1	64.7	65.4	65.5	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 7000	50.3	63.2	65.2	65.8	66.5	66.6	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 6000	51.2	64.3	66.2	66.9	67.5	67.6	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 5000	52.3	65.6	67.6	68.3	68.9	69.0	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4500	52.7	66.1	68.2	68.8	69.5	69.6	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4000	53.9	68.3	70.4	71.1	71.7	71.8	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 3500	55.5	69.9	72.0	72.7	73.3	73.4	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 3000	57.2	72.6	74.9	75.7	76.5	76.6	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 2500	58.8	74.7	77.1	77.8	78.7	78.8	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 2000	59.6	76.1	78.5	79.2	80.2	80.4	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 1800	59.7	76.3	78.8	79.6	80.5	80.8	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 1500	60.3	77.2	79.8	80.9	81.9	82.2	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1200	60.5	78.1	81.0	82.5	83.8	84.2	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1000	61.1	79.9	81.9	83.7	85.1	85.5	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 900	61.2	79.2	82.4	84.3	85.7	86.2	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 800	61.2	79.9	83.3	85.5	87.4	88.0	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 700	61.5	80.5	84.1	86.3	88.5	89.1	89.7	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 600	61.5	80.9	84.4	87.0	89.1	89.8	90.5	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 500	61.7	81.4	85.3	88.2	91.0	92.2	93.5	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 400	61.8	81.8	85.8	89.0	92.2	93.4	94.9	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 300	61.8	81.8	85.9	89.1	92.7	94.2	95.9	96.8	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200	61.8	81.8	85.9	89.1	92.8	94.4	96.2	97.1	97.3	98.2	98.4	98.4	98.5	98.5	98.5	98.7
≥ 100	61.8	81.8	85.9	89.1	92.8	94.5	96.3	97.2	97.4	98.5	98.9	99.0	99.1	99.2	99.4	99.9
≥ 0	61.8	81.8	85.9	89.1	92.8	94.5	96.3	97.2	97.4	98.5	98.9	99.0	99.1	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

FORM 68

OTIS AFB MA

68-70, 73, 75-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING ≥ 20000	41.5	51.5	52.8	53.7	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 18000 ≥ 17000	43.5	53.5	55.2	56.6	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 16000 ≥ 15000	43.3	53.8	55.4	56.8	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 14000 ≥ 13000	45.2	55.4	57.7	58.4	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 12000 ≥ 11000	45.3	56.3	58.0	59.4	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 10000 ≥ 9000	49.0	59.7	61.3	62.8	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 8000 ≥ 7000	49.1	60.2	61.8	63.3	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 6000 ≥ 5000	50.3	62.3	63.9	65.4	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 4500 ≥ 4000	50.5	63.0	64.7	66.2	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 3500 ≥ 3000	51.1	63.8	65.5	67.0	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 2500 ≥ 2000	53.7	66.6	68.4	69.9	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 1800 ≥ 1500	53.4	67.1	68.9	70.4	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 1200 ≥ 1000	55.3	69.2	71.1	72.6	73.4	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 900 ≥ 800	56.6	70.5	72.4	73.9	74.7	74.9	74.9	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 700 ≥ 600	58.7	73.9	75.8	77.4	78.3	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 500 ≥ 400	59.6	75.7	77.6	79.2	80.1	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 300 ≥ 200	60.2	77.6	79.6	81.3	82.2	82.4	82.4	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 100 ≥ 0	60.3	77.8	79.8	81.5	82.4	82.6	82.6	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
	61.2	80.4	82.5	84.2	85.1	85.3	85.4	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6
	61.6	81.9	84.0	85.7	86.7	87.0	87.1	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
	61.8	82.4	84.4	86.6	87.5	87.8	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
	61.8	82.8	85.1	87.3	88.3	88.6	88.7	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
	62.0	83.3	85.6	88.0	89.2	89.7	90.0	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2
	62.3	83.9	86.6	89.4	91.2	91.6	91.9	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2
	62.4	84.0	86.8	89.6	91.7	92.3	92.9	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3
	62.5	84.2	87.0	90.0	92.9	93.8	95.3	95.8	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1
	62.5	84.4	87.2	90.4	93.5	94.4	96.2	97.1	97.1	97.4	97.5	97.5	97.6	97.6	97.6	97.6
	62.5	84.5	87.3	90.6	93.8	94.7	96.9	98.3	98.3	98.9	99.0	99.0	99.1	99.1	99.1	99.1
	62.5	84.5	87.3	90.6	93.8	94.7	96.9	98.4	98.4	99.4	99.5	99.6	99.7	99.7	99.7	99.7
	62.5	84.5	87.3	90.6	93.8	94.7	96.9	98.4	98.4	99.4	99.5	99.6	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC

FORM
JUL 64

0-14-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

CCT

MONTH

NOV 1955 (L.S.T.)

936

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1968

OTIS AFB MA

68-70, 73, 75-80

DOT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾	¾
NO CEILING	30.4	51.5	52.8	54.0	55.1	55.5	56.0	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 20000	30.4	52.2	53.5	55.1	56.1	56.6	57.1	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 18000	30.5	52.3	53.7	55.2	56.2	56.7	57.2	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 16000	30.5	52.3	53.7	55.2	56.2	56.7	57.2	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 14000	31.7	53.8	55.3	56.8	58.0	58.4	58.9	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 12000	31.9	54.4	55.9	57.4	58.6	59.0	59.6	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000	32.3	57.0	58.9	60.5	61.9	62.4	62.9	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 9000	32.8	57.4	59.4	61.0	62.4	62.8	63.3	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 8000	34.3	60.4	62.4	64.0	65.4	65.8	66.3	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 7000	34.9	61.1	63.0	64.6	66.0	66.5	67.0	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 6000	35.3	62.7	64.6	66.2	67.6	68.1	68.6	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 5000	37.7	65.2	67.2	69.0	70.4	70.9	71.4	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 4500	37.7	65.6	67.6	69.5	70.9	71.3	71.8	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 4000	39.7	67.7	69.9	71.7	73.1	73.5	74.1	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 3500	39.6	68.5	70.8	72.6	74.0	74.4	74.9	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3000	40.1	69.6	71.8	73.7	75.1	75.5	76.0	76.3	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 2500	40.9	71.4	73.9	75.7	77.1	77.5	78.1	78.4	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 2000	41.5	72.7	75.6	77.5	79.0	79.6	80.2	80.5	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 1800	41.5	72.9	75.9	77.8	79.4	79.9	80.5	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 1500	41.5	73.3	76.6	78.9	80.5	81.3	81.9	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 1200	41.6	74.0	77.4	79.9	81.6	82.4	83.0	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 1000	41.6	74.4	78.0	80.6	82.5	83.3	84.1	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 900	41.7	74.5	78.1	80.8	82.9	83.8	84.5	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 800	41.7	74.5	78.2	81.0	83.2	84.1	84.8	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 700	41.7	75.3	79.0	81.9	84.5	85.4	86.1	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 600	41.7	75.4	79.1	82.5	85.4	86.2	87.2	87.7	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 500	41.8	75.8	79.7	83.2	86.8	88.1	89.1	90.0	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 400	41.8	75.9	80.1	84.0	88.1	89.7	91.0	92.0	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 300	41.8	76.2	80.5	84.5	89.2	90.9	92.3	93.8	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 200	41.8	76.2	80.6	84.8	89.7	91.3	92.8	94.5	95.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 100	41.8	76.2	80.6	84.8	89.7	91.3	93.1	94.9	95.6	97.4	97.7	97.7	97.7	98.1	98.3	98.8	98.8
≥ 0	41.8	76.2	80.6	84.8	89.7	91.3	93.1	94.9	95.6	97.6	98.0	98.1	98.5	98.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 AFCELTAC
 AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NOV 68

OTIS AFB MA

68-70,73,75-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2 1/2	≥2	≥1 1/2	≥1 1/4	≥1	≥3/4	≥1/2	≥1/4	≥1/8	≥1/16	≥0
NO CEILING	29.9	50.8	51.7	53.4	54.3	54.7	55.8	56.3	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.9
≥ 20000	29.9	51.7	52.7	54.4	55.3	55.7	56.8	57.3	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.8
≥ 18000	29.9	51.7	52.7	54.4	55.3	55.7	56.8	57.3	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.8
≥ 16000	29.9	51.7	52.7	54.4	55.3	55.7	56.8	57.3	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.8
≥ 14000	31.1	53.2	54.2	55.9	56.8	57.2	58.3	58.8	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.4
≥ 12000	31.5	54.0	54.9	56.9	58.0	58.4	59.5	60.0	60.2	60.3	60.5	60.5	60.5	60.5	60.5	60.6
≥ 10000	32.7	56.8	58.1	60.0	61.2	61.7	62.8	63.3	63.5	63.7	63.9	63.9	63.9	63.9	63.9	64.0
≥ 9000	32.9	57.2	58.5	60.4	61.6	62.2	63.2	63.8	64.0	64.1	64.3	64.3	64.3	64.3	64.3	64.4
≥ 8000	34.3	59.7	61.0	62.9	64.1	64.6	65.7	66.2	66.5	66.6	66.8	66.8	66.8	66.8	66.8	66.9
≥ 7000	34.5	60.4	61.7	63.7	64.9	65.5	66.7	67.2	67.4	67.5	67.7	67.7	67.7	67.7	67.7	67.8
≥ 6000	35.6	62.2	63.4	65.4	66.7	67.3	68.5	69.0	69.2	69.4	69.6	69.6	69.6	69.6	69.6	69.7
≥ 5000	36.9	64.3	65.7	67.7	69.0	69.7	70.9	71.4	71.6	71.7	71.9	71.9	71.9	71.9	71.9	72.0
≥ 4500	37.1	64.8	66.2	68.3	69.7	70.3	71.5	72.0	72.3	72.4	72.6	72.6	72.6	72.6	72.6	72.7
≥ 4000	38.1	67.2	69.0	71.1	72.5	73.2	74.4	74.9	75.2	75.3	75.5	75.5	75.5	75.5	75.5	75.6
≥ 3500	38.5	68.2	70.0	72.2	73.5	74.4	75.6	76.1	76.3	76.5	76.7	76.7	76.7	76.7	76.7	76.8
≥ 3000	39.1	69.5	71.3	73.5	74.9	75.8	77.0	77.5	77.7	77.8	78.1	78.1	78.1	78.1	78.1	78.2
≥ 2500	39.5	70.4	72.3	74.5	75.9	76.9	78.1	78.6	78.8	78.9	79.1	79.1	79.1	79.1	79.1	79.2
≥ 2000	40.0	71.5	73.8	76.0	77.6	78.6	79.8	80.3	80.5	80.6	80.9	80.9	80.9	80.9	80.9	81.0
≥ 1800	40.2	72.4	74.7	77.2	78.8	79.8	81.0	81.5	81.7	81.8	82.0	82.0	82.0	82.0	82.0	82.2
≥ 1500	40.3	72.9	75.3	78.0	79.7	80.6	81.8	82.4	82.6	82.7	82.9	82.9	82.9	82.9	82.9	83.0
≥ 1200	40.3	73.2	75.6	78.5	80.3	81.3	82.5	83.0	83.2	83.3	83.5	83.5	83.5	83.5	83.5	83.7
≥ 1000	40.3	73.5	75.9	78.9	81.2	82.2	83.3	83.9	84.1	84.2	84.4	84.4	84.4	84.4	84.4	84.5
≥ 900	40.3	74.1	76.7	79.9	82.3	83.3	84.5	85.1	85.3	85.4	85.6	85.6	85.6	85.6	85.6	85.7
≥ 800	40.3	74.1	76.7	80.0	82.5	83.5	84.8	85.4	85.6	85.7	85.9	85.9	85.9	85.9	85.9	86.0
≥ 700	40.3	74.2	76.9	80.2	82.6	83.9	85.2	85.7	85.9	86.0	86.2	86.2	86.2	86.2	86.2	86.3
≥ 600	40.3	74.3	77.1	80.6	83.4	84.5	85.8	86.3	86.6	86.7	86.9	86.9	86.9	86.9	86.9	87.0
≥ 500	40.3	74.6	77.4	81.3	84.5	85.7	87.1	87.8	88.1	88.2	88.4	88.4	88.4	88.4	88.4	88.5
≥ 400	41.0	75.1	78.0	82.0	85.9	87.2	88.9	90.0	90.2	90.4	90.6	90.6	90.6	90.6	90.6	90.8
≥ 300	41.1	75.2	78.2	82.6	87.2	88.7	91.0	92.5	92.8	93.3	93.5	93.5	93.5	93.5	93.5	93.8
≥ 200	41.0	75.2	78.2	82.6	87.3	88.8	91.4	93.3	93.9	94.7	95.3	95.7	95.8	95.8	95.8	96.0
≥ 100	41.0	75.2	78.2	82.6	87.3	88.8	91.5	93.8	94.4	95.4	96.0	96.5	96.8	96.8	96.8	97.5
≥ 0	41.0	75.2	78.2	82.6	87.3	88.8	91.5	93.8	94.4	95.4	96.0	96.5	97.1	97.2	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

175 68

OTIS AFB MA

68-70, 73, 75-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	33.6	49.0	50.6	51.7	52.7	53.1	53.6	53.9	54.1	54.1	54.3	54.3	54.3	54.4	54.4	54.5
≥ 20000	34.5	50.2	51.9	53.2	54.2	54.5	55.1	55.3	55.5	55.6	55.8	55.8	55.8	55.8	55.9	56.1
≥ 18000	34.5	50.3	51.9	53.2	54.2	54.6	55.1	55.4	55.6	55.7	55.8	55.8	55.9	55.9	55.9	56.1
≥ 16000	34.5	50.3	51.9	53.2	54.2	54.6	55.1	55.4	55.6	55.7	55.8	55.8	55.9	55.9	55.9	56.1
≥ 14000	35.3	51.8	53.5	54.7	55.8	56.2	56.8	57.0	57.2	57.3	57.4	57.5	57.5	57.5	57.6	57.7
≥ 12000	36.2	52.5	54.2	55.6	56.7	57.1	57.6	57.9	58.1	58.2	58.3	58.3	58.4	58.4	58.5	58.6
≥ 10000	38.3	55.9	57.8	59.2	60.4	60.8	61.3	61.6	61.8	61.9	62.1	62.1	62.1	62.1	62.2	62.4
≥ 9000	38.3	56.3	58.2	59.6	60.8	61.2	61.8	62.0	62.2	62.3	62.5	62.5	62.5	62.5	62.6	62.8
≥ 8000	40.2	58.8	60.8	62.2	63.5	63.9	64.4	64.7	64.9	65.0	65.2	65.2	65.2	65.2	65.3	65.5
≥ 7000	41.7	59.7	61.8	63.3	64.5	64.9	65.5	65.8	66.0	66.1	66.2	66.3	66.3	66.3	66.4	66.6
≥ 6000	42.0	61.5	63.6	65.1	66.5	66.9	67.5	67.7	67.9	68.0	68.2	68.2	68.2	68.3	68.3	68.5
≥ 5000	43.5	63.7	65.9	67.5	68.8	69.3	69.9	70.2	70.4	70.5	70.7	70.7	70.7	70.7	70.8	71.0
≥ 4500	43.5	64.4	66.5	68.1	69.5	69.9	70.5	70.8	71.0	71.1	71.3	71.3	71.4	71.4	71.5	71.6
≥ 4000	45.1	66.5	68.8	70.4	71.9	72.3	72.9	73.2	73.4	73.5	73.7	73.8	73.8	73.8	73.9	74.1
≥ 3500	45.3	67.5	69.7	71.5	72.9	73.3	74.0	74.3	74.5	74.6	74.8	74.8	74.8	74.8	74.9	75.1
≥ 3000	46.3	69.4	71.9	73.7	75.2	75.7	76.3	76.6	76.8	76.9	77.1	77.1	77.2	77.2	77.3	77.5
≥ 2500	47.7	71.0	73.5	75.3	76.8	77.3	78.0	78.3	78.5	78.6	78.8	78.8	78.8	78.9	78.9	79.1
≥ 2000	48.6	72.7	75.3	77.2	78.9	79.4	80.1	80.4	80.7	80.7	80.9	81.0	81.0	81.0	81.1	81.3
≥ 1800	48.7	73.0	75.7	77.6	79.3	79.8	80.6	80.9	81.1	81.2	81.4	81.4	81.4	81.5	81.5	81.7
≥ 1500	49.0	73.9	76.7	78.7	80.5	81.1	81.9	82.2	82.4	82.5	82.7	82.7	82.8	82.8	82.9	83.0
≥ 1200	49.2	74.6	77.6	79.6	81.7	82.4	83.2	83.5	83.7	83.8	84.0	84.1	84.1	84.1	84.2	84.4
≥ 1000	49.4	75.1	78.2	80.5	82.6	83.4	84.2	84.6	84.8	84.9	85.1	85.1	85.2	85.2	85.3	85.4
≥ 900	49.5	75.4	78.5	81.0	83.2	84.0	84.9	85.4	85.6	85.7	85.9	85.9	85.9	86.0	86.0	86.2
≥ 800	49.6	75.7	78.9	81.5	83.9	84.7	85.7	86.2	86.4	86.5	86.7	86.7	86.8	86.8	86.9	87.0
≥ 700	49.7	76.2	79.5	82.3	84.9	85.7	86.8	87.4	87.6	87.7	87.9	87.9	88.0	88.0	88.1	88.2
≥ 600	49.8	76.4	79.8	82.8	85.7	86.6	87.9	88.5	88.8	88.9	89.1	89.2	89.2	89.2	89.3	89.5
≥ 500	49.9	76.7	80.3	83.5	86.9	88.0	89.7	90.5	90.9	91.1	91.3	91.3	91.3	91.4	91.4	91.6
≥ 400	49.9	76.9	80.6	84.1	87.8	89.1	91.1	92.2	92.7	93.0	93.2	93.2	93.3	93.3	93.4	93.6
≥ 300	49.9	77.1	81.9	84.4	88.5	89.9	92.2	93.7	94.3	94.8	95.1	95.1	95.2	95.3	95.4	95.5
≥ 200	50.0	77.1	80.9	84.5	88.6	90.1	92.6	94.2	94.9	95.7	96.2	96.3	96.6	96.7	96.8	97.0
≥ 100	50.0	77.2	81.9	84.6	88.7	90.1	92.7	94.4	95.1	96.2	96.8	96.9	97.4	97.5	98.0	98.6
≥ 0	50.0	77.2	80.9	84.6	88.7	90.1	92.7	94.4	95.1	96.2	96.8	97.0	97.5	97.7	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 7438

USAF ETAC FORM 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2
CLIMATOLGY BRANCH
AFETAC
AF WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING	32.4	46.9	47.5	47.9	48.9	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.5	49.5	50.2
≥ 20000	33.1	48.2	48.8	49.1	50.1	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7	51.5
≥ 18000	33.1	48.2	48.8	49.1	50.1	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7	51.5
≥ 16000	33.1	48.2	48.8	49.1	50.1	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7	51.5
≥ 14000	33.7	48.8	49.5	49.9	50.9	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.5	51.5	52.2
≥ 12000	33.7	48.9	49.6	50.0	51.0	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	52.3
≥ 10000	35.3	51.1	51.8	52.2	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.8	53.8	54.0	54.0	54.8
≥ 9000	35.5	51.7	52.5	52.8	53.8	54.3	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.7	54.7	55.4
≥ 8000	37.3	54.5	55.3	55.6	56.6	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.2	57.5	57.5	58.2
≥ 7000	37.4	57.2	58.0	58.3	59.3	59.8	59.8	59.8	59.8	59.8	59.8	59.9	59.9	60.2	60.2	60.9
≥ 6000	39.6	59.2	59.9	60.4	61.6	62.1	62.1	62.1	62.1	62.1	62.1	62.3	62.3	62.5	62.5	63.2
≥ 5000	41.3	63.0	63.7	64.2	65.4	65.9	65.9	65.9	65.9	65.9	65.9	66.1	66.1	66.3	66.3	67.0
≥ 4500	42.9	64.2	65.0	65.4	66.7	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.5	67.5	68.3
≥ 4000	44.2	66.4	67.3	67.8	69.0	69.5	69.6	69.6	69.6	69.6	69.6	69.7	69.7	70.0	70.0	70.7
≥ 3500	44.5	67.0	67.9	68.4	69.6	70.1	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.6	70.6	71.3
≥ 3000	45.8	69.9	71.0	71.4	72.7	73.2	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.7	73.7	74.4
≥ 2500	47.1	71.8	72.9	73.4	74.6	75.1	75.2	75.2	75.2	75.2	75.2	75.4	75.4	75.6	75.6	76.3
≥ 2000	47.5	74.1	75.2	75.9	77.1	77.7	77.9	77.9	77.9	77.9	77.9	78.1	78.1	78.3	78.3	79.0
≥ 1800	47.7	74.4	75.5	76.1	77.5	78.1	78.3	78.3	78.3	78.3	78.3	78.4	78.4	78.7	78.7	79.4
≥ 1500	48.3	75.5	76.6	77.2	78.7	79.3	79.5	79.5	79.5	79.5	79.5	79.7	79.7	79.9	79.9	80.6
≥ 1200	49.4	77.1	78.4	79.2	80.6	81.3	81.6	81.6	81.6	81.6	81.6	81.7	81.7	82.0	82.0	82.7
≥ 1000	49.6	77.5	78.8	79.7	81.1	82.0	82.4	82.4	82.4	82.4	82.4	82.5	82.5	82.7	82.7	83.5
≥ 900	49.6	77.7	79.0	79.9	81.5	82.4	82.7	82.7	82.7	82.7	82.7	82.8	82.8	83.1	83.1	83.8
≥ 800	49.9	77.9	79.3	80.3	82.0	83.0	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.8	83.8	84.6
≥ 700	50.2	78.3	79.7	81.0	83.0	83.9	84.6	84.6	84.6	84.6	84.6	84.7	84.8	84.8	85.0	85.8
≥ 600	50.2	78.6	80.0	81.5	83.9	84.9	86.2	86.2	86.2	86.2	86.2	86.3	86.4	86.6	86.6	87.4
≥ 500	50.4	78.7	80.1	81.7	84.7	85.9	87.5	87.9	88.0	88.1	88.2	88.2	88.2	88.5	88.5	89.2
≥ 400	50.4	78.8	80.4	82.6	86.0	87.3	89.1	89.5	90.4	90.6	90.7	90.7	90.7	90.9	90.9	91.7
≥ 300	50.4	78.9	80.6	83.1	87.1	88.7	90.6	91.2	92.3	92.8	92.9	92.9	92.9	93.1	93.1	93.9
≥ 200	50.4	78.9	80.6	83.2	87.3	88.8	90.7	91.3	92.6	93.6	93.8	93.8	93.8	94.6	94.6	95.5
≥ 100	50.4	78.9	80.6	83.2	87.3	88.8	90.9	91.5	93.0	94.4	94.7	94.7	94.7	96.2	96.4	97.9
≥ 0	50.4	78.9	80.6	83.2	87.3	88.8	90.9	91.5	93.0	94.4	94.9	94.9	94.9	96.3	96.6	97.7

TOTAL NUMBER OF OBSERVATIONS

816

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 68

STATION NAME OTIS AFB MA

YEARS 68-70, 73, 75-80

MONTH NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/10	≥1/20	≥0
NO CEILING	33.5	46.6	47.2	47.3	46.2	48.3	48.9	48.9	48.9	49.0	49.4	49.4	49.4	49.6	49.6	50.0
≥ 20000	33.7	47.1	47.7	47.8	48.7	48.8	49.4	49.4	49.4	49.5	49.9	49.9	49.9	50.1	50.1	50.5
≥ 18000	33.7	47.1	47.7	47.8	48.7	48.8	49.4	49.4	49.4	49.5	49.9	49.9	49.9	50.1	50.1	50.5
≥ 16000	33.7	47.1	47.7	47.8	48.7	48.8	49.4	49.4	49.4	49.5	49.9	49.9	49.9	50.1	50.1	50.5
≥ 14000	34.3	48.2	49.9	49.1	50.0	50.1	50.7	50.7	50.7	50.9	51.2	51.2	51.2	51.5	51.5	51.8
≥ 12000	34.3	48.4	49.1	49.4	50.2	50.4	51.0	51.0	51.0	51.1	51.5	51.5	51.5	51.7	51.7	52.1
≥ 10000	37.7	53.4	54.2	54.4	55.4	55.8	56.4	56.4	56.4	56.5	56.9	56.9	56.9	57.1	57.1	57.5
≥ 9000	37.7	53.8	54.5	54.8	55.8	56.1	56.7	56.7	56.7	56.9	57.2	57.2	57.2	57.5	57.5	57.8
≥ 8000	39.0	55.6	56.6	56.9	57.8	58.2	58.8	58.8	58.8	58.9	59.3	59.3	59.3	59.6	59.6	59.9
≥ 7000	39.1	56.9	57.8	58.1	59.1	59.4	60.0	60.0	60.0	60.2	60.5	60.5	60.5	60.8	60.8	61.2
≥ 6000	40.6	58.9	60.0	60.3	61.6	62.0	62.6	62.6	62.6	62.7	63.1	63.1	63.1	63.4	63.4	63.7
≥ 5000	41.1	61.4	62.6	62.9	64.3	64.7	65.4	65.4	65.4	65.6	65.9	65.9	65.9	66.2	66.2	66.5
≥ 4500	41.7	62.4	63.7	64.0	65.4	65.8	66.5	66.5	66.5	66.7	67.0	67.0	67.0	67.3	67.3	67.6
≥ 4000	42.4	64.3	65.8	66.3	67.8	68.1	68.9	68.9	68.9	69.0	69.4	69.4	69.4	69.6	69.6	70.0
≥ 3500	43.2	65.6	67.0	67.5	69.0	69.5	70.2	70.2	70.2	70.3	70.7	70.7	70.7	71.0	71.0	71.3
≥ 3000	45.0	68.1	69.6	70.1	71.8	72.3	73.0	73.0	73.0	73.2	73.5	73.5	73.5	73.8	73.8	74.1
≥ 2500	46.1	70.0	71.4	71.9	73.7	74.1	74.9	74.9	74.9	75.0	75.4	75.4	75.4	75.6	75.6	76.0
≥ 2000	47.2	73.3	74.8	75.2	77.0	77.5	78.2	78.2	78.2	78.3	78.7	78.7	78.7	78.9	78.9	79.3
≥ 1800	47.5	73.8	75.4	75.9	77.6	78.1	78.8	78.8	78.8	78.9	79.3	79.3	79.3	79.5	79.5	79.9
≥ 1500	47.7	74.5	76.5	77.1	78.8	79.3	80.0	80.0	80.0	80.1	80.5	80.5	80.5	80.8	80.8	81.1
≥ 1200	48.3	75.9	77.8	78.6	80.4	81.1	81.9	81.9	81.9	82.0	82.4	82.4	82.4	82.6	82.6	83.0
≥ 1000	48.5	76.2	78.2	79.2	81.3	82.0	82.7	82.7	82.7	82.8	83.2	83.2	83.2	83.5	83.5	83.8
≥ 900	48.5	76.8	78.8	79.8	81.9	82.6	83.3	83.3	83.3	83.5	83.8	83.8	83.8	84.1	84.1	84.4
≥ 800	48.5	77.0	79.2	80.3	82.4	83.1	83.9	83.9	83.9	84.1	84.4	84.4	84.4	84.7	84.7	85.0
≥ 700	48.7	77.1	79.3	80.6	83.3	84.2	85.2	85.2	85.2	85.3	85.7	85.7	85.7	85.9	85.9	86.3
≥ 600	48.7	77.2	79.5	81.0	83.8	84.7	86.3	86.4	86.4	86.5	86.9	86.9	86.9	87.1	87.1	87.5
≥ 500	48.7	77.7	80.3	81.7	84.9	85.9	87.5	88.0	88.1	88.5	88.8	88.8	88.8	89.1	89.1	89.5
≥ 400	48.7	78.2	80.9	82.7	86.4	87.3	89.1	89.8	90.3	90.9	91.4	91.4	91.4	91.7	91.7	92.0
≥ 300	48.7	78.2	81.4	83.2	87.7	89.0	91.5	92.5	93.1	93.9	94.4	94.4	94.4	94.6	94.6	95.0
≥ 200	48.7	78.2	81.4	83.2	88.0	89.2	92.2	93.4	94.2	95.2	95.7	95.7	95.7	96.0	96.2	96.6
≥ 100	48.7	78.2	81.4	83.2	88.0	89.2	92.2	93.4	94.2	95.3	95.8	95.8	95.8	96.3	96.6	97.2
≥ 0	48.7	78.2	81.4	83.2	88.0	89.2	92.2	93.4	94.2	95.3	95.8	95.8	95.8	96.3	96.6	97.2

TOTAL NUMBER OF OBSERVATIONS 816

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

125068

OTIS AFB MA

68-70, 73, 75-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	33.4	43.8	44.0	44.0	44.3	44.3	44.5	44.5	44.7	44.9	45.2	45.2	45.2	45.2	45.8	46.0
≥ 20000	34.7	44.2	44.4	44.4	44.9	44.9	45.2	45.2	45.3	45.5	45.9	45.9	45.9	45.9	46.4	46.7
≥ 18000	34.7	44.2	44.4	44.4	44.9	44.9	45.2	45.2	45.3	45.5	45.9	45.9	45.9	45.9	46.4	46.7
≥ 16000	34.7	44.2	44.4	44.4	44.9	44.9	45.2	45.2	45.3	45.5	45.9	45.9	45.9	45.9	46.4	46.7
≥ 14000	34.7	45.2	45.5	45.5	46.1	46.1	46.4	46.4	46.5	46.9	47.2	47.2	47.2	47.2	47.8	48.0
≥ 12000	34.7	46.2	46.5	46.7	47.2	47.2	47.6	47.6	47.7	48.0	48.3	48.3	48.3	48.3	48.9	49.1
≥ 10000	39.2	52.2	53.0	53.2	54.2	54.2	54.6	54.6	54.7	55.0	55.3	55.3	55.3	55.3	55.9	56.1
≥ 9000	39.2	52.6	53.3	53.7	54.7	54.7	55.0	55.0	55.1	55.5	55.8	55.8	55.8	55.8	56.3	56.6
≥ 8000	41.3	55.5	56.3	56.7	57.8	57.8	58.1	58.1	58.2	58.6	58.9	58.9	58.9	58.9	59.5	59.7
≥ 7000	41.3	57.1	58.5	58.8	60.0	60.0	60.4	60.4	60.5	60.8	61.1	61.1	61.1	61.1	61.7	61.9
≥ 6000	43.3	59.8	61.2	61.9	63.3	63.3	63.7	63.7	63.8	64.3	64.6	64.6	64.6	64.6	65.1	65.4
≥ 5000	44.3	62.8	64.4	65.0	66.4	66.4	66.8	66.8	66.9	67.4	67.7	67.7	67.7	67.7	68.3	68.5
≥ 4500	45.4	64.0	65.6	66.3	67.6	67.6	68.0	68.0	68.2	68.6	68.9	68.9	68.9	68.9	69.5	69.7
≥ 4000	46.4	66.4	68.3	68.9	70.3	70.3	70.8	71.0	71.2	71.7	72.0	72.0	72.0	72.0	72.6	72.8
≥ 3500	47.1	67.3	69.2	69.8	71.2	71.3	71.8	72.0	72.2	72.7	73.1	73.1	73.1	73.1	73.6	73.8
≥ 3000	48.7	69.3	71.2	71.9	73.3	73.4	73.9	74.2	74.3	74.8	75.2	75.2	75.2	75.2	75.7	75.9
≥ 2500	49.3	70.7	72.7	73.5	74.8	74.9	75.5	75.7	75.8	76.4	76.7	76.7	76.7	76.7	77.3	77.5
≥ 2000	50.1	73.2	75.3	76.1	77.4	77.6	78.2	78.4	78.5	79.1	79.4	79.4	79.4	79.4	80.0	80.2
≥ 1800	50.1	73.3	75.4	76.2	77.5	77.7	78.4	78.6	78.7	79.3	79.6	79.6	79.6	79.6	80.2	80.4
≥ 1500	50.4	73.9	76.2	77.1	78.5	78.7	79.4	79.7	79.8	80.4	80.7	80.7	80.7	80.7	81.3	81.5
≥ 1200	51.2	75.7	78.1	79.1	80.7	81.0	81.6	82.0	82.1	82.6	83.0	83.0	83.0	83.0	83.5	83.7
≥ 1000	51.4	76.4	78.7	79.7	81.6	81.8	82.5	82.9	83.0	83.5	83.9	83.9	83.9	83.9	84.4	84.6
≥ 900	51.4	76.8	79.5	80.5	82.4	82.7	83.4	83.7	83.9	84.4	84.7	84.7	84.7	84.7	85.3	85.5
≥ 800	51.7	77.1	79.7	80.7	82.6	83.1	83.7	84.1	84.2	84.7	85.1	85.1	85.1	85.1	85.6	85.9
≥ 700	51.7	77.5	80.5	81.7	84.0	84.6	85.5	85.9	86.0	86.5	86.9	86.9	86.9	86.9	87.4	87.6
≥ 600	51.7	77.7	80.7	82.1	84.4	85.4	86.4	87.0	87.1	87.6	88.0	88.0	88.0	88.0	88.5	88.8
≥ 500	51.9	78.4	81.6	83.2	85.9	86.9	88.2	89.5	89.6	90.3	90.6	90.6	90.6	90.6	91.2	91.4
≥ 400	51.9	78.5	81.8	83.7	86.4	87.4	89.0	90.3	90.6	91.3	91.6	91.6	91.6	91.6	92.2	92.4
≥ 300	51.9	78.5	82.1	84.1	86.9	88.1	90.0	91.9	92.2	93.2	93.7	93.7	93.8	93.8	94.3	94.5
≥ 200	51.9	78.6	82.2	84.2	87.1	88.4	90.5	92.5	93.0	94.0	94.7	94.7	95.1	95.2	96.0	96.2
≥ 100	51.9	78.6	82.2	84.2	87.1	88.4	90.5	92.5	93.0	94.3	95.2	95.2	96.1	96.3	97.9	98.9
≥ 0	51.9	78.6	82.2	84.2	87.1	88.4	90.5	92.5	93.0	94.3	95.2	95.2	96.1	96.3	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 898

USAF ETAC FORM 0-14-1 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

22

CEILING VERSUS VISIBILITY

OTIS AFB MA

68-70, 73, 75-80

NCV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6930-1123

HOUSE (L.A.T.)

CEILING (FEET)	VISIBLE DISTANCE IN STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	¾	¾
NO CEILING ≥ 20000	39.2 40.6	43.0 44.9	43.0 44.9	43.1 45.1	43.2 45.3	43.2 45.3	43.3 45.4	43.3 45.4	43.3 45.4	43.3 45.4	43.4 45.6	43.4 45.6	43.4 45.6	43.4 45.6	43.4 45.6	43.4 45.6
N 18000 N 6700	41.7 40.7	45.0 45.0	45.0 45.0	45.2 45.2	45.4 45.4	45.4 45.4	45.6 45.6	45.6 45.6	45.6 45.6	45.6 45.7	45.7 45.7	45.7 45.7	45.7 45.7	45.7 45.7	45.7 45.7	45.7 45.7
N 14000 N 12000	41.7 42.3	46.3 48.0	46.3 48.0	46.6 48.2	46.8 48.4	46.8 48.4	46.9 48.6	46.9 48.6	46.9 48.6	47.0 48.7	47.0 48.7	47.0 48.7	47.0 48.7	47.0 48.7	47.0 48.7	47.0 48.7
N 10000 N 9900	46.0 46.7	52.6 53.2	52.6 53.2	52.9 53.6	53.1 53.8	53.1 53.8	53.2 53.9	53.2 53.9	53.2 53.9	53.2 54.0	53.3 54.0	53.3 54.0	53.3 54.0	53.3 54.0	53.3 54.0	53.3 54.0
N 8000 N 7000	48.9 49.7	57.0 58.7	57.2 59.0	57.7 59.4	57.9 59.8	57.9 59.8	58.0 59.9	58.0 59.9	58.0 59.9	58.0 60.0	58.1 60.0	58.1 60.0	58.1 60.0	58.1 60.0	58.1 60.0	58.1 60.0
N 6000 N 5000	51.4 53.0	61.4 63.2	61.8 63.6	62.4 64.2	62.8 64.6	62.8 64.6	62.9 64.7	62.9 64.7	62.9 64.7	62.9 64.7	63.0 64.8	63.0 64.8	63.0 64.8	63.0 64.8	63.0 64.8	63.0 64.8
N 4500 N 4000	54.3 56.6	64.7 68.0	65.0 68.4	65.7 69.2	66.0 69.6	66.0 69.6	66.1 69.7	66.1 69.7	66.1 69.7	66.1 69.7	66.2 69.8	66.2 69.8	66.2 69.8	66.2 69.8	66.2 69.8	66.2 69.8
N 3500 N 3000	57.2 58.6	69.0 70.9	69.4 71.3	70.2 72.2	70.6 72.6	70.6 72.7	70.7 72.8	70.7 72.8	70.7 72.8	70.7 72.8	70.8 72.9	70.8 72.9	70.8 72.9	70.8 72.9	70.8 72.9	70.8 72.9
N 2500 N 2000	59.9 60.7	72.9 74.3	73.3 74.8	74.3 75.9	74.7 76.2	74.8 76.3	74.9 76.4	74.9 76.4	74.9 76.4	75.0 76.6	75.0 76.6	75.0 76.6	75.0 76.6	75.0 76.6	75.0 76.6	75.0 76.6
N 1800 N 1500	61.1 61.7	74.8 76.0	75.2 76.6	76.3 77.7	76.8 78.3	76.9 78.4	77.0 78.6	77.0 78.6	77.0 78.6	77.0 78.7	77.1 78.7	77.1 78.7	77.1 78.7	77.1 78.7	77.1 78.7	77.1 78.7
N 1200 N 1000	62.7 62.9	78.3 79.4	79.2 80.3	80.6 81.8	81.2 82.7	81.3 82.8	81.6 83.1	81.7 83.2	81.8 83.3	81.8 83.4	81.9 83.4	81.9 83.4	81.9 83.4	81.9 83.4	81.9 83.4	81.9 83.4
N 900 N 800	62.9 63.0	79.8 80.2	80.8 81.2	82.2 83.0	83.3 84.3	83.4 84.4	83.8 84.8	84.0 85.0	84.1 85.1	84.1 85.1	84.2 85.2	84.2 85.2	84.2 85.2	84.2 85.2	84.2 85.2	84.2 85.2
N 700 N 600	63.3 63.4	80.9 82.1	82.0 83.2	84.0 85.3	85.7 87.1	86.1 87.6	86.4 87.9	86.7 88.4	86.8 88.6	86.9 88.7	86.9 88.7	86.9 88.7	86.9 88.7	86.9 88.7	86.9 88.7	86.9 88.7
N 500 N 400	63.4 63.4	83.0 83.0	84.4 84.4	87.6 88.0	89.6 90.3	90.0 90.9	90.7 92.2	91.4 93.2	91.8 93.7	91.9 93.9	91.9 94.1	91.9 94.1	91.9 94.1	91.9 94.1	91.9 94.1	91.9 94.1
N 300 N 200	63.4 63.4	83.0 83.0	84.4 84.4	88.0 88.0	90.3 90.3	91.2 91.2	92.8 93.0	94.4 94.9	95.3 95.9	95.7 96.3	96.1 97.1	96.1 97.2	96.1 97.7	96.1 9		

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 68

2
FEDERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

201 65

UTIS AFB MA

68-70,73,75-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	41.4	45.6	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 20000	43.6	48.2	48.6	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 18000	44.1	48.8	49.3	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 16000	44.1	48.8	49.3	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 14000	45.1	49.8	50.4	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 12000	46.3	51.8	52.4	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 10000	49.1	55.0	55.8	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 9000	49.1	55.0	55.8	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 8000	51.0	58.4	59.2	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 7000	51.4	59.8	60.6	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 6000	52.8	61.8	62.7	63.0	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 5000	53.9	63.7	64.6	65.0	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4500	55.1	64.9	65.8	66.2	66.4	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4000	57.3	68.2	69.2	69.8	70.0	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 3500	58.9	69.7	71.7	71.2	71.4	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 3000	61.1	72.4	73.4	74.0	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 2500	61.4	74.3	75.4	76.0	76.2	76.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 2000	63.2	76.8	77.9	78.4	78.7	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 1800	63.5	77.1	78.2	78.8	79.0	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 1500	64.8	79.4	80.7	81.3	81.7	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1200	65.3	81.2	82.7	83.4	84.0	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1000	65.3	82.1	83.7	84.4	85.1	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 900	65.8	82.8	84.6	85.3	86.3	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 800	66.1	83.6	85.9	86.9	88.1	88.4	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 700	66.1	84.1	86.8	88.1	89.4	89.8	90.0	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 600	66.1	84.4	87.2	88.7	90.1	90.7	90.9	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 500	66.2	85.2	88.1	90.1	92.2	92.8	93.2	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 400	66.2	85.2	88.1	90.3	93.0	94.0	94.9	95.8	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 300	66.2	85.2	88.1	90.3	93.1	94.4	95.6	97.2	97.6	98.3	98.3	98.3	98.3	98.4	98.4	98.4
≥ 200	66.2	85.2	88.2	90.4	93.2	94.6	95.8	97.7	98.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3
≥ 100	66.2	85.2	88.2	90.4	93.2	94.6	95.8	97.7	98.1	99.2	99.3	99.4	99.4	99.6	99.6	99.7
≥ 0	66.2	85.2	88.2	90.4	93.2	94.6	95.8	97.7	98.1	99.2	99.3	99.4	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NOV 68

OTIS AFB MA

68-70,73,75-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	36.6	42.1	42.8	42.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 20000	39.7	45.9	46.6	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 18000	39.2	46.1	46.8	46.9	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 16000	37.2	46.2	46.9	47.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 14000	40.3	49.1	48.8	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 12000	42.8	51.0	51.7	51.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 10000	44.4	54.3	55.2	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 9000	44.4	54.4	55.3	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 8000	46.3	56.2	59.1	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 7000	47.8	60.8	61.8	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 6000	49.7	62.7	63.7	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 5000	50.7	65.0	66.0	66.2	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4500	51.3	66.2	67.2	67.4	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 4000	53.3	68.3	69.6	69.8	70.4	70.6	70.6	70.6	70.6	70.7	70.8	70.8	70.8	70.9	70.9	70.9
≥ 3500	54.8	69.6	71.8	71.0	71.7	71.8	71.8	71.8	71.9	72.0	72.0	72.0	72.0	72.1	72.1	72.1
≥ 3000	57.7	73.8	75.1	75.3	76.0	76.1	76.2	76.2	76.3	76.4	76.4	76.4	76.4	76.6	76.6	76.6
≥ 2500	58.7	75.4	76.8	77.0	77.7	77.7	77.9	77.9	78.0	78.1	78.1	78.1	78.1	78.2	78.2	78.2
≥ 2000	61.0	78.6	79.9	80.2	80.9	81.0	81.1	81.1	81.2	81.3	81.3	81.3	81.3	81.4	81.4	81.4
≥ 1800	61.1	78.9	80.2	80.6	81.2	81.3	81.4	81.4	81.6	81.7	81.7	81.7	81.7	81.8	81.8	81.8
≥ 1500	61.9	81.1	82.6	83.1	83.9	84.0	84.1	84.1	84.2	84.3	84.3	84.3	84.3	84.4	84.4	84.4
≥ 1200	62.7	82.2	83.8	84.3	85.1	85.2	85.4	85.4	85.6	85.7	85.7	85.7	85.7	85.8	85.8	85.8
≥ 1000	63.2	83.1	84.7	85.2	86.2	86.3	86.7	86.7	86.8	86.9	86.9	86.9	86.9	87.0	87.0	87.0
≥ 900	63.2	83.4	85.1	85.8	87.0	87.2	87.6	87.6	87.7	87.8	87.8	87.8	87.8	87.9	87.9	87.9
≥ 800	63.6	83.9	85.7	86.3	87.7	88.0	88.4	88.7	88.8	88.9	88.9	88.9	88.9	89.0	89.0	89.0
≥ 700	63.7	84.2	86.3	87.2	88.9	89.2	89.8	90.0	90.2	90.3	90.3	90.3	90.3	90.4	90.4	90.4
≥ 600	63.9	84.4	86.8	87.7	89.6	90.0	90.9	91.1	91.3	91.4	91.4	91.4	91.4	91.6	91.6	91.6
≥ 500	64.2	84.7	87.1	88.2	90.3	90.8	92.1	92.7	93.0	93.2	93.2	93.2	93.2	93.3	93.3	93.3
≥ 400	64.0	84.7	87.1	88.2	90.7	91.2	93.1	93.8	94.4	95.0	95.1	95.1	95.1	95.2	95.2	95.2
≥ 300	64.0	84.8	87.3	88.4	91.4	92.1	94.3	95.8	96.4	97.4	97.6	97.6	97.6	97.8	97.8	97.8
≥ 200	64.0	84.8	87.3	88.4	91.4	92.1	94.4	96.1	96.9	98.0	98.2	98.2	98.2	98.4	98.4	98.6
≥ 100	64.0	84.8	87.3	88.4	91.4	92.1	94.4	96.1	96.9	98.1	98.7	98.7	98.7	99.0	99.1	99.6
≥ 0	64.0	84.8	87.3	88.4	91.4	92.1	94.4	96.1	96.9	98.1	98.7	98.7	98.7	99.1	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 400

CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 64 OTIS AFB MA

68-70, 73, 75-80

NDV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

19.0-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32
NO CEILING	29.7	44.8	45.4	45.6	45.7	46.1	46.2	46.2	46.2	46.4	46.6	46.6	46.6	46.6	46.6	46.7
≥ 20000	29.7	46.7	47.3	47.5	47.6	47.9	48.1	48.1	48.1	48.3	48.5	48.5	48.5	48.5	48.5	48.6
≥ 18000	29.7	46.7	47.3	47.5	47.6	47.9	48.1	48.1	48.1	48.3	48.5	48.5	48.5	48.5	48.5	48.6
≥ 16000	29.7	46.8	47.4	47.6	47.7	48.1	48.2	48.2	48.2	48.4	48.6	48.6	48.6	48.6	48.6	48.7
≥ 14000	30.5	47.8	48.4	48.6	48.7	49.1	49.2	49.2	49.2	49.4	49.6	49.6	49.6	49.6	49.6	49.7
≥ 12000	30.8	49.4	49.9	50.2	50.3	50.6	50.7	50.7	50.7	50.9	51.2	51.2	51.2	51.2	51.2	51.3
≥ 10000	32.7	53.2	53.8	54.1	54.2	54.5	54.6	54.6	54.6	54.8	55.1	55.1	55.1	55.1	55.1	55.2
≥ 9000	32.7	53.4	54.1	54.3	54.4	54.7	54.8	54.8	54.8	55.1	55.3	55.3	55.3	55.3	55.3	55.4
≥ 8000	34.3	56.1	56.7	57.0	57.1	57.4	57.5	57.5	57.5	57.7	58.0	58.0	58.0	58.0	58.0	58.1
≥ 7000	34.7	57.5	58.2	58.4	58.6	59.0	59.1	59.2	59.2	59.4	59.6	59.6	59.6	59.6	59.6	59.7
≥ 6000	36.3	60.0	60.6	60.8	61.1	61.4	61.5	61.6	61.6	61.8	62.1	62.1	62.1	62.1	62.1	62.2
≥ 5000	38.7	63.5	64.7	65.0	65.2	65.5	65.6	65.7	65.7	66.0	66.2	66.2	66.2	66.2	66.2	66.3
≥ 4500	40.0	65.6	67.0	67.2	67.5	67.9	68.0	68.1	68.1	68.3	68.5	68.5	68.5	68.5	68.5	68.6
≥ 4000	41.9	68.6	70.1	70.3	70.6	71.0	71.1	71.2	71.2	71.4	71.6	71.6	71.6	71.6	71.6	71.7
≥ 3500	42.3	69.4	71.9	71.1	71.4	71.7	71.9	72.0	72.0	72.2	72.4	72.4	72.4	72.4	72.4	72.5
≥ 3000	45.1	72.9	75.8	75.4	75.8	76.1	76.4	76.5	76.5	76.8	77.0	77.0	77.0	77.0	77.0	77.1
≥ 2500	46.1	74.6	76.8	77.2	77.5	77.9	78.2	78.3	78.3	78.5	78.8	78.8	78.8	78.8	78.8	78.9
≥ 2000	47.7	77.9	80.0	80.4	80.8	81.1	81.4	81.4	81.5	81.8	82.0	82.0	82.0	82.0	82.0	82.1
≥ 1800	48.1	78.2	80.3	80.8	81.1	81.4	81.8	81.9	81.9	82.1	82.3	82.3	82.3	82.3	82.3	82.4
≥ 1500	48.2	79.9	82.0	82.5	82.9	83.2	83.5	83.6	83.6	83.9	84.1	84.1	84.1	84.1	84.1	84.2
≥ 1200	48.7	80.8	82.9	83.6	84.1	84.4	84.8	85.1	85.1	85.3	85.5	85.5	85.5	85.5	85.5	85.7
≥ 1000	48.7	81.2	83.4	84.3	84.9	85.2	85.5	85.9	85.9	86.1	86.3	86.3	86.3	86.3	86.3	86.4
≥ 900	48.8	81.3	83.5	84.4	85.0	85.7	86.0	86.3	86.3	86.5	86.8	86.8	86.8	86.8	86.8	86.9
≥ 800	49.1	81.8	84.1	85.0	86.1	86.7	87.0	87.4	87.4	87.7	87.9	87.9	87.9	87.9	87.9	88.0
≥ 700	49.2	82.1	84.5	85.8	87.1	87.8	88.2	88.7	88.7	88.9	89.1	89.1	89.1	89.1	89.1	89.2
≥ 600	49.3	82.4	84.9	86.1	87.5	88.5	89.2	89.7	89.7	89.9	90.1	90.1	90.1	90.1	90.1	90.2
≥ 500	49.4	82.5	85.5	86.8	88.4	89.4	90.5	91.3	91.4	91.7	91.9	91.9	91.9	91.9	91.9	92.0
≥ 400	49.4	82.5	85.7	87.2	89.3	90.4	91.7	92.8	93.5	93.9	94.1	94.1	94.1	94.1	94.1	94.2
≥ 300	49.4	82.6	85.8	87.3	89.4	90.5	92.3	94.0	94.8	95.3	95.6	95.6	95.6	95.6	95.6	95.7
≥ 200	49.4	82.6	85.8	87.4	89.9	91.0	93.0	94.9	96.0	96.7	96.9	96.9	97.0	97.0	97.0	97.1
≥ 100	49.4	82.6	85.8	87.4	89.9	91.0	93.0	95.0	96.1	96.9	97.6	97.8	98.3	98.6	99.0	99.1
≥ 0	49.4	82.6	85.8	87.4	89.9	91.0	93.0	95.0	96.1	96.9	97.6	97.8	98.3	98.7	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 699

GLOBAL CLIMATOLOGY BRANCH
ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 6 OTIS AFB MA

65-70,73,75-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

110-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	29.7	45.9	46.2	46.4	46.7	46.6	47.3	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	48.0
≥ 20000	30.2	43.6	48.9	49.1	49.3	49.4	50.0	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.7
≥ 18000	30.2	43.7	49.0	49.2	49.4	49.6	50.1	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.8
≥ 16000	30.2	43.7	49.0	49.2	49.4	49.6	50.1	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.8
≥ 14000	31.1	49.7	50.0	50.2	50.4	50.6	51.1	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.8
≥ 12000	31.3	50.7	51.0	51.2	51.4	51.6	52.1	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.8
≥ 10000	34.4	54.6	54.9	55.1	55.3	55.4	56.0	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.7
≥ 9000	34.4	55.0	55.3	55.6	55.8	55.9	56.4	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	57.1
≥ 8000	35.6	57.3	57.7	57.9	58.1	58.2	58.8	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.7
≥ 7000	36.0	56.4	58.8	59.0	59.2	59.3	59.9	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.9
≥ 6000	36.7	59.9	60.2	60.4	60.7	60.8	61.3	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	62.3
≥ 5000	39.1	63.4	64.2	64.4	64.7	64.8	65.3	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	66.3
≥ 4500	40.0	64.9	65.7	65.9	66.1	66.2	66.8	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.8
≥ 4000	41.3	67.2	68.1	68.2	68.6	68.7	69.2	69.4	69.6	69.7	69.7	69.7	69.7	69.7	69.7	70.3
≥ 3500	42.1	68.4	69.2	69.4	69.8	69.9	70.4	70.7	70.8	70.9	70.9	70.9	70.9	70.9	70.9	71.6
≥ 3000	44.1	72.4	73.7	73.9	74.8	74.9	75.4	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	76.6
≥ 2500	45.2	74.0	75.2	75.4	76.3	76.4	77.0	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	78.1
≥ 2000	45.3	76.4	77.8	78.0	78.9	79.0	79.7	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.8
≥ 1800	46.4	77.0	78.3	78.6	79.4	79.6	80.2	80.4	80.6	80.7	80.7	80.7	80.7	80.7	80.7	81.3
≥ 1500	46.8	78.1	79.4	80.0	80.9	81.0	81.7	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.8
≥ 1200	47.0	79.1	80.8	81.3	82.4	82.6	83.2	83.4	83.6	83.7	83.7	83.7	83.7	83.7	83.7	84.3
≥ 1000	47.1	79.6	81.4	82.0	83.1	83.2	84.1	84.3	84.4	84.6	84.6	84.6	84.6	84.6	84.6	85.2
≥ 900	47.1	79.7	81.6	82.1	83.2	83.3	84.2	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	85.4
≥ 800	47.1	79.8	81.8	82.3	83.7	84.0	84.9	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	86.3
≥ 700	47.2	80.0	82.1	82.9	84.6	85.1	86.0	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	87.6
≥ 600	47.2	80.1	82.3	83.2	84.9	85.3	86.4	87.2	87.4	87.6	87.6	87.6	87.6	87.6	87.6	88.2
≥ 500	47.2	80.1	82.4	83.3	85.3	86.1	87.7	88.9	89.1	89.4	89.6	89.6	89.6	89.6	89.6	90.2
≥ 400	47.2	80.2	82.7	83.9	86.6	87.3	89.1	90.3	91.1	91.7	91.8	91.8	91.8	91.8	91.8	92.4
≥ 300	47.2	80.2	82.7	83.9	86.7	87.4	89.8	91.3	92.2	93.1	93.2	93.2	93.2	93.2	93.2	93.9
≥ 200	47.2	80.2	82.7	83.9	86.7	87.4	89.9	92.0	93.1	94.4	94.6	94.6	94.6	94.6	94.6	95.6
≥ 100	47.2	80.2	82.7	83.9	86.7	87.4	90.0	92.1	93.2	94.9	95.2	95.2	95.2	95.2	95.2	97.7
≥ 0	47.2	80.2	82.7	83.9	86.7	87.4	90.0	92.1	93.2	94.9	95.2	95.2	95.2	95.2	95.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900

U.S. AIR FORCE
CLIMATE BRANCH
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

FORM 6P

OTIS AFB MA

66-70, 73, 75-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	34.5	44.8	45.2	45.4	45.7	45.9	46.1	46.1	46.1	46.2	46.3	46.3	46.4	46.4	46.5	46.7
≥ 20000	37.5	46.7	47.1	47.3	47.7	47.8	48.1	48.1	48.1	48.2	48.3	48.3	48.3	48.4	48.5	48.6
≥ 18000	35.6	46.8	47.3	47.4	47.8	48.0	48.2	48.2	48.2	48.3	48.4	48.4	48.5	48.5	48.6	48.8
≥ 16000	35.6	46.8	47.3	47.5	47.9	48.0	48.2	48.2	48.3	48.3	48.5	48.5	48.5	48.5	48.6	48.8
≥ 14000	36.6	48.0	48.5	48.7	49.1	49.2	49.4	49.5	49.5	49.6	49.7	49.7	49.7	49.7	49.8	50.0
≥ 12000	37.3	49.3	49.6	50.0	50.4	50.6	50.8	50.8	50.8	50.9	51.0	51.0	51.1	51.1	51.2	51.4
≥ 10000	40.0	53.3	53.9	54.2	54.6	54.8	55.0	55.1	55.1	55.2	55.3	55.3	55.3	55.4	55.5	55.7
≥ 9000	40.1	53.7	54.3	54.5	55.0	55.2	55.4	55.4	55.4	55.5	55.5	55.7	55.7	55.7	55.8	56.0
≥ 8000	41.8	56.6	57.3	57.6	58.1	58.2	58.5	58.5	58.5	58.6	58.7	58.7	58.8	58.8	58.9	59.1
≥ 7000	42.4	58.3	59.1	59.4	59.9	60.1	60.3	60.4	60.4	60.5	60.6	60.6	60.6	60.7	60.8	61.0
≥ 6000	43.3	60.5	61.3	61.7	62.3	62.5	62.7	62.8	62.8	62.9	63.0	63.0	63.1	63.1	63.2	63.4
≥ 5000	45.5	63.3	64.2	64.6	65.3	65.5	65.7	65.8	65.8	65.9	66.0	66.0	66.1	66.1	66.2	66.4
≥ 4500	46.5	64.6	65.6	66.0	66.7	66.9	67.2	67.2	67.2	67.4	67.5	67.5	67.5	67.6	67.7	67.9
≥ 4000	48.2	67.2	68.4	68.8	69.6	69.7	70.0	70.1	70.1	70.3	70.4	70.4	70.5	70.5	70.6	70.8
≥ 3500	48.8	68.3	69.4	69.9	70.6	70.8	71.1	71.2	71.2	71.4	71.5	71.5	71.5	71.6	71.7	71.9
≥ 3000	50.9	71.3	72.6	73.1	73.9	74.1	74.5	74.5	74.6	74.7	74.9	74.9	74.9	74.9	75.0	75.3
≥ 2500	51.8	73.3	74.4	74.9	75.7	76.0	76.3	76.3	76.4	76.5	76.7	76.7	76.7	76.8	76.9	77.1
≥ 2000	53.1	75.6	77.3	77.6	78.4	78.6	79.0	79.1	79.1	79.3	79.4	79.4	79.4	79.5	79.6	79.8
≥ 1800	53.3	76.0	77.4	77.9	78.8	79.0	79.4	79.5	79.5	79.7	79.8	79.8	79.9	79.9	80.0	80.2
≥ 1500	53.9	77.4	78.9	79.6	80.5	80.8	81.1	81.2	81.2	81.4	81.5	81.5	81.6	81.6	81.7	81.9
≥ 1200	54.5	78.8	80.5	81.3	82.4	82.7	83.1	83.2	83.3	83.4	83.5	83.5	83.6	83.6	83.7	83.9
≥ 1000	54.7	79.5	81.2	82.1	83.3	83.6	84.1	84.2	84.3	84.4	84.6	84.6	84.6	84.6	84.7	85.0
≥ 900	54.8	79.9	81.7	82.6	83.9	84.3	84.7	84.9	85.0	85.1	85.2	85.2	85.3	85.3	85.4	85.6
≥ 800	55.0	80.2	82.2	83.2	84.7	85.1	85.7	85.9	86.0	86.1	86.3	86.3	86.3	86.3	86.4	86.7
≥ 700	55.1	80.6	82.7	84.0	85.8	86.4	87.0	87.3	87.4	87.6	87.7	87.7	87.7	87.8	87.9	88.1
≥ 600	55.2	81.0	83.2	84.5	86.5	87.2	88.1	88.5	88.6	88.7	88.9	88.9	88.9	88.9	89.0	89.3
≥ 500	55.3	81.4	83.8	85.4	87.7	88.5	89.7	90.5	90.7	91.0	91.1	91.1	91.2	91.2	91.3	91.5
≥ 400	55.3	81.5	84.7	85.9	88.6	89.5	91.1	92.0	92.6	93.0	93.2	93.2	93.3	93.3	93.4	93.6
≥ 300	55.3	81.5	84.1	86.1	89.1	90.2	92.1	93.6	94.3	95.0	95.2	95.2	95.3	95.4	95.5	95.7
≥ 200	55.3	81.5	84.2	86.2	89.3	90.4	92.5	94.1	95.0	96.0	96.3	96.3	96.7	96.7	96.9	97.1
≥ 100	55.3	81.5	84.2	86.2	89.3	90.4	92.5	94.2	95.1	96.2	96.8	96.9	97.5	97.7	98.2	98.7
≥ 0	55.3	81.5	84.2	86.2	89.3	90.4	92.5	94.2	95.1	96.2	96.8	96.9	97.6	97.8	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS

7029

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
177 6H

STATION NAME
OTIS AFB MA

YEARS
68-70,75-80

MONTH
DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-2400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥4
NO CEILING	34.7	51.1	51.3	51.4	51.9	51.9	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.5	52.5
≥ 20000	39.4	51.9	52.1	52.1	52.6	52.6	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.2
≥ 18000	39.4	51.9	52.1	52.1	52.6	52.6	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.2
≥ 16000	39.4	51.9	52.1	52.1	52.6	52.6	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.2
≥ 14000	39.9	52.6	52.7	52.8	53.3	53.3	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.9	53.9	53.9
≥ 12000	40.4	53.3	53.4	53.6	54.0	54.0	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6	54.6
≥ 10000	41.3	55.1	55.2	55.4	55.9	55.9	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.5	56.5	56.5
≥ 9000	41.3	55.5	55.6	55.7	56.2	56.2	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.8
≥ 8000	42.1	56.6	56.8	56.9	57.4	57.4	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.3	58.3	58.3
≥ 7000	43.1	58.6	58.9	59.0	59.5	59.5	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.4
≥ 6000	45.6	62.0	62.4	62.5	63.0	63.0	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.9
≥ 5000	46.7	63.4	64.2	64.3	64.8	64.8	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.6	65.6	65.7
≥ 4500	47.3	63.8	64.5	64.9	65.4	65.4	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.3
≥ 4000	47.8	65.7	66.5	66.8	67.3	67.3	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.2	68.2	68.3
≥ 3500	48.4	66.8	67.7	68.2	68.8	68.8	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.6	69.6	69.7
≥ 3000	49.9	69.7	71.7	71.2	71.9	72.0	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.9	72.9	73.0
≥ 2500	51.3	71.3	72.3	72.7	73.7	73.8	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.7	74.7	74.8
≥ 2000	53.4	74.8	75.9	76.5	77.7	77.8	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.9	78.8	78.9
≥ 1800	53.4	75.2	76.2	77.0	78.2	78.3	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.3	79.3	79.4
≥ 1500	53.7	75.6	77.0	77.7	79.0	79.1	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.2
≥ 1200	53.9	76.1	77.6	78.6	80.2	80.3	81.1	81.5	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.9
≥ 1000	54.0	76.5	77.9	79.5	81.2	81.3	82.0	82.6	82.8	82.8	82.8	82.8	82.8	82.9	82.9	83.0
≥ 900	54.3	76.8	78.4	80.0	81.7	81.8	82.6	83.4	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.7
≥ 800	54.7	77.3	79.0	81.1	83.0	83.1	84.1	85.0	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.5
≥ 700	54.7	77.6	79.5	81.5	83.5	83.6	84.6	85.9	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.9
≥ 600	54.7	77.9	79.9	81.9	84.0	84.1	85.5	87.0	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.9
≥ 500	54.2	78.3	80.6	82.8	85.5	85.8	87.6	89.6	90.5	90.8	90.8	90.8	90.8	91.0	91.0	91.1
≥ 400	54.2	78.8	81.1	83.4	86.6	87.0	89.5	92.2	93.0	94.0	94.0	94.0	94.0	94.1	94.1	94.2
≥ 300	54.2	78.9	81.2	83.5	87.2	87.7	90.7	94.1	94.9	96.1	96.3	96.3	96.3	96.5	96.5	96.6
≥ 200	54.2	78.9	81.2	83.5	87.2	87.7	91.0	94.5	95.4	96.9	97.2	97.2	97.2	97.7	97.7	97.8
≥ 100	54.2	78.9	81.2	83.5	87.2	87.7	91.0	94.6	95.8	97.6	98.1	98.1	98.1	98.9	99.0	99.6
≥ 0	54.2	78.9	81.2	83.5	87.2	87.7	91.0	94.6	95.8	97.6	98.1	98.1	98.1	98.9	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 629

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 63

STATION NAME DTIS AFB MA

YEARS 68-70, 73, 75-80

MONTH DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	47.7	53.3	53.3	53.6	54.0	54.1	54.4	54.4	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.5
≥ 20000	41.4	54.0	54.0	54.4	54.7	54.8	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2
≥ 18000	41.4	54.0	54.0	54.4	54.7	54.8	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2
≥ 16000	41.4	54.0	54.0	54.4	54.7	54.8	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2
≥ 14000	41.6	54.4	54.4	54.7	55.1	55.2	55.4	55.4	55.4	55.4	55.4	55.6	55.6	55.6	55.6	55.6
≥ 12000	41.3	54.5	54.5	54.8	55.2	55.3	55.6	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.7	55.7
≥ 10000	42.3	55.9	55.9	56.3	56.7	56.8	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.1
≥ 9000	43.0	56.2	56.2	56.5	56.9	57.0	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4
≥ 8000	43.2	56.0	56.1	56.5	56.8	56.9	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3
≥ 7000	44.7	57.9	58.0	58.4	58.8	58.9	59.2	59.2	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.3
≥ 6000	46.2	62.8	63.0	63.3	63.7	63.8	64.0	64.0	64.0	64.0	64.0	64.2	64.2	64.2	64.2	64.2
≥ 5000	48.2	65.6	65.7	66.1	66.5	66.6	66.8	66.8	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9
≥ 4500	48.8	66.2	66.3	66.7	67.1	67.2	67.4	67.4	67.4	67.4	67.4	67.6	67.6	67.6	67.6	67.6
≥ 4000	48.8	66.9	67.1	67.6	67.9	68.0	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4
≥ 3500	49.0	68.2	68.4	68.9	69.4	69.5	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0
≥ 3000	51.3	71.1	71.7	72.4	73.1	73.2	73.7	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1
≥ 2500	51.3	72.6	73.4	74.1	74.9	75.1	75.5	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9
≥ 2000	53.3	75.4	76.3	77.5	78.6	78.7	79.2	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5
≥ 1800	54.0	76.7	76.5	77.7	78.8	78.9	79.4	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8
≥ 1500	54.4	76.8	77.8	79.1	80.3	80.4	81.1	81.5	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6
≥ 1200	54.8	78.0	79.1	80.5	81.8	82.2	82.9	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5
≥ 1000	54.8	78.2	79.4	81.2	82.6	82.9	83.8	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5
≥ 900	54.9	78.3	79.8	81.6	82.9	83.3	84.3	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0
≥ 800	55.0	78.5	80.0	82.1	83.8	84.1	85.1	85.7	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8
≥ 700	55.0	78.8	80.5	82.8	84.7	85.2	86.3	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0
≥ 600	55.0	78.9	81.0	83.4	85.6	86.1	87.7	88.4	88.4	88.4	88.4	88.6	88.7	88.7	88.7	88.7
≥ 500	55.0	79.3	81.4	83.9	86.7	87.2	89.1	90.3	90.7	90.9	90.9	91.0	91.0	91.0	91.0	91.0
≥ 400	55.0	79.5	82.0	84.9	88.5	89.1	91.6	93.5	94.1	94.4	94.4	94.7	94.7	94.7	94.7	94.7
≥ 300	55.0	79.5	82.0	84.9	89.1	90.0	93.5	95.6	96.7	97.1	97.5	97.5	97.5	97.5	97.5	97.5
≥ 200	55.0	79.5	82.0	84.9	89.1	90.1	93.7	96.1	97.2	97.8	98.5	98.5	98.9	98.9	98.9	98.9
≥ 100	55.0	79.5	82.0	84.9	89.1	90.1	93.7	96.1	97.2	97.9	98.8	98.8	100.0	100.0	100.0	100.0
≥ 0	55.0	79.5	82.0	84.9	89.1	90.1	93.7	96.1	97.2	97.9	98.8	98.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 826

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

FORM 68

OTIS AFB MA

68-70,73,75-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	38.2	47.3	47.4	47.6	47.8	47.9	47.9	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 20000	39.3	49.4	49.5	49.7	49.9	50.0	50.0	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 18000	39.3	49.4	49.5	49.7	49.9	50.0	50.0	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 16000	39.3	49.4	49.5	49.7	49.9	50.0	50.0	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 14000	40.4	50.5	50.6	51.0	51.2	51.3	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 12000	40.9	51.6	51.7	52.1	52.3	52.4	52.4	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 10000	42.9	54.0	54.2	54.5	54.8	54.9	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 9000	43.0	54.2	54.4	54.8	55.0	55.1	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 8000	46.0	58.4	58.7	59.0	59.2	59.3	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 7000	46.7	60.5	60.7	61.3	61.5	61.6	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 6000	48.4	62.6	62.8	63.4	63.6	63.7	63.9	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 5000	50.2	65.3	65.5	66.1	66.8	66.9	67.0	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 4500	50.8	66.1	66.3	67.0	67.6	67.7	67.9	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 4000	51.9	68.1	68.4	69.0	69.7	69.8	69.9	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 3500	52.6	69.0	69.4	70.2	70.9	71.0	71.1	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 3000	54.5	71.6	72.0	72.8	73.5	73.6	73.7	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 2500	55.7	73.5	74.1	75.0	75.9	76.0	76.1	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 2000	57.1	75.2	76.3	77.3	78.4	78.5	78.6	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 1800	57.4	75.5	76.6	77.6	78.7	78.8	78.9	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1500	58.0	76.6	77.8	79.9	80.0	80.1	80.2	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1200	59.2	78.2	79.4	80.6	82.1	82.4	82.7	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1000	59.4	78.7	79.9	81.1	82.6	82.8	83.1	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 900	59.5	78.8	80.1	81.4	82.9	83.1	83.4	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 800	59.5	79.1	80.5	81.8	83.5	84.1	84.5	85.1	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 700	59.5	79.2	80.7	82.1	84.2	84.7	85.2	85.7	86.4	86.6	86.6	86.6	86.7	86.7	86.7	86.7
≥ 600	59.5	79.9	81.5	83.2	85.8	86.5	87.2	87.8	88.4	88.6	88.6	88.6	88.7	88.7	88.7	88.7
≥ 500	59.5	80.0	81.8	83.9	86.8	87.8	89.1	90.2	90.8	91.0	91.0	91.0	91.1	91.1	91.1	91.1
≥ 400	59.5	80.2	82.0	84.6	88.2	89.2	90.9	92.4	93.2	93.5	93.5	93.5	93.8	93.8	93.8	93.8
≥ 300	59.5	80.2	82.1	84.8	88.9	89.9	92.1	93.8	94.9	95.6	95.7	95.8	96.2	96.2	96.2	96.2
≥ 200	59.5	80.2	82.1	84.8	88.9	89.9	92.2	94.0	95.2	96.8	96.9	97.0	98.2	98.2	98.2	98.2
≥ 100	59.5	80.2	82.1	84.8	88.9	89.9	92.2	94.2	95.5	97.2	97.4	97.6	98.9	98.9	99.6	99.7
≥ 0	59.5	80.2	82.1	84.8	88.9	89.9	92.2	94.2	95.5	97.2	97.4	97.6	98.9	98.9	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 924

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAO

CEILING VERSUS VISIBILITY

1956-68

OTIS AFB MA

68-70,73,75-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING	44.1	47.2	47.2	47.2	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 20000	46.1	49.6	49.7	49.7	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 18000	46.2	49.7	49.8	49.8	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 16000	46.2	49.7	49.8	49.8	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 14000	48.8	52.9	53.0	53.0	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 12000	50.0	54.4	54.5	54.5	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 10000	51.9	57.0	57.1	57.1	57.2	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 9000	52.0	57.1	57.2	57.2	57.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 8000	54.3	61.2	61.3	61.3	61.5	61.5	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 7000	55.4	63.1	63.2	63.2	63.4	63.7	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 6000	56.3	64.5	64.6	64.6	64.8	65.1	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 5000	58.1	66.9	67.1	67.1	67.3	67.5	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 4500	58.5	67.5	67.7	67.7	68.0	68.3	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 4000	60.1	69.7	70.0	70.0	70.3	70.6	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 3500	61.2	71.1	71.4	71.5	71.8	72.2	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 3000	63.0	73.4	73.9	74.0	74.3	74.6	75.1	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 2500	63.4	74.3	74.8	74.9	75.7	76.5	76.9	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 2000	65.1	76.5	77.2	77.3	78.2	78.9	79.5	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 1800	65.5	76.9	77.6	77.7	78.6	79.4	79.9	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 1500	66.2	78.2	78.9	79.1	80.0	80.8	81.3	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1200	67.2	79.4	80.1	80.3	81.2	82.2	82.7	83.0	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 1000	68.0	80.2	81.1	81.4	82.4	83.3	83.9	84.2	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 900	68.0	80.4	81.5	81.9	83.0	84.2	84.8	85.4	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 800	68.0	80.6	81.8	82.4	83.5	84.7	85.4	85.9	86.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 700	68.0	81.1	82.3	82.8	84.4	85.8	86.5	87.0	87.3	88.2	88.2	88.2	88.2	88.3	88.4	88.4
IV 600	68.1	81.3	82.7	83.3	85.4	86.9	87.7	88.6	89.0	89.9	90.0	90.0	90.1	90.2	90.2	90.2
IV 500	68.1	81.3	82.9	83.7	86.0	87.6	89.0	90.1	90.6	91.6	91.7	91.7	91.9	92.0	92.0	92.3
IV 400	68.1	81.3	83.1	84.1	87.0	88.7	90.6	91.9	93.0	94.1	94.3	94.3	94.5	94.6	94.6	94.7
IV 300	68.1	81.3	83.2	84.3	87.5	89.6	91.6	93.8	94.9	96.1	96.5	96.5	96.7	96.8	96.8	96.9
IV 200	68.1	81.3	83.2	84.3	87.5	89.6	91.8	94.2	95.8	97.8	98.3	98.3	98.6	98.7	98.9	99.0
IV 100	68.1	81.3	83.2	84.3	87.5	89.6	91.8	94.3	95.9	98.1	98.7	98.7	99.1	99.2	99.7	99.9
IV 0	68.1	81.3	83.2	84.3	87.5	89.6	91.8	94.3	95.9	98.1	98.7	98.7	99.1	99.2	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

FORM 64 OTIS AFB MA

68-70, 73, 75-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	43.3	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 20000	47.3	50.5	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 18000	47.5	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 16000	47.6	50.9	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 14000	50.3	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 12000	51.4	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 10000	54.3	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 9000	54.4	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 8000	56.5	62.7	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	57.3	64.1	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 6000	57.7	64.6	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 5000	58.5	65.6	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 4500	58.7	66.1	66.7	66.7	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 4000	59.9	68.0	68.6	68.6	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 3500	60.9	69.1	69.8	69.8	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 3000	64.1	72.5	73.3	73.3	73.5	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 2500	66.0	74.6	75.5	75.7	75.9	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 2000	67.7	77.0	78.1	78.3	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 1800	68.0	77.3	78.4	78.6	79.1	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1500	68.6	78.4	79.5	79.8	80.4	80.5	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 1200	69.5	79.7	80.8	81.4	82.3	82.5	82.7	83.1	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1000	69.6	80.1	81.3	82.0	83.0	83.2	83.4	84.0	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4
≥ 900	69.6	80.3	81.5	82.3	83.5	83.8	84.0	84.5	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9
≥ 800	69.6	80.5	82.0	82.9	84.3	84.6	84.9	85.7	85.9	86.0	86.2	86.2	86.2	86.2	86.2	86.2
≥ 700	69.6	80.8	82.5	83.4	85.3	85.6	86.1	87.2	87.5	87.8	88.3	88.3	88.3	88.3	88.3	88.3
≥ 600	69.6	80.9	82.8	84.0	86.1	86.7	87.3	88.4	89.0	89.5	90.1	90.1	90.2	90.2	90.2	90.2
≥ 500	69.7	81.1	83.3	84.7	87.3	88.0	88.8	91.1	91.0	91.4	92.2	92.2	92.5	92.6	92.6	92.6
≥ 400	69.7	81.4	83.7	85.4	88.3	89.1	90.4	91.8	92.8	93.4	94.2	94.2	94.5	94.6	94.6	94.6
≥ 300	69.8	81.6	84.0	85.8	88.9	89.8	91.5	93.3	94.3	95.4	96.1	96.1	96.6	96.7	96.8	96.8
≥ 200	69.8	81.7	84.1	86.0	89.1	90.0	91.8	94.0	94.9	96.0	97.1	97.2	98.0	98.1	98.2	98.2
≥ 100	69.8	81.7	84.1	86.0	89.1	90.0	91.8	94.1	95.1	96.1	97.4	97.5	98.7	98.8	99.5	99.5
≥ 0	69.8	81.7	84.1	86.0	89.1	90.0	91.8	94.1	95.1	96.1	97.5	97.6	98.8	98.9	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

125163

OTIS AFB MA

68-70,73,75-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	39.2	45.2	45.3	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 20000	42.7	48.5	48.8	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 18000	42.7	48.7	48.9	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 16000	42.7	48.7	48.9	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 14000	44.7	51.6	51.8	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 12000	45.5	52.7	53.0	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 10000	43.0	56.2	56.5	56.6	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 9000	48.0	56.4	56.7	56.8	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 8000	50.2	60.1	60.4	60.7	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 7000	53.5	60.9	61.2	61.6	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 6000	51.2	62.1	62.5	63.1	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 5000	52.3	63.8	64.3	64.8	65.0	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4500	53.6	64.6	65.3	65.6	65.8	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 4000	54.7	67.3	67.7	68.2	68.5	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 3500	55.5	68.4	68.8	69.3	69.6	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 3000	57.7	71.5	72.0	72.7	73.0	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 2500	60.6	75.2	76.0	76.6	77.1	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 2000	62.3	77.8	78.6	79.2	79.9	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 1800	62.3	77.8	78.6	79.2	80.0	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1500	62.6	79.0	79.9	80.5	81.4	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 1200	62.6	80.1	81.4	82.0	82.9	83.4	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1000	62.9	80.9	82.5	83.1	84.3	84.9	85.5	85.6	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0
≥ 900	62.7	81.4	83.1	83.7	84.9	85.6	86.1	86.2	86.5	86.7	87.0	87.0	87.0	87.0	87.0	87.0
≥ 800	62.9	81.7	83.6	84.4	85.6	86.2	86.8	87.0	87.3	87.4	87.8	87.8	87.8	87.8	87.8	87.8
≥ 700	63.1	81.8	83.9	84.7	85.9	86.8	87.5	87.9	88.6	88.8	89.5	89.5	89.5	89.5	89.5	89.5
≥ 600	63.0	81.8	84.2	85.1	86.7	87.5	88.3	88.9	89.6	89.8	90.4	90.4	90.4	90.4	90.4	90.4
≥ 500	63.0	81.8	84.3	85.3	87.3	88.4	89.3	90.1	90.9	91.1	91.7	91.7	91.7	91.7	91.7	91.7
≥ 400	63.0	81.9	84.5	85.7	87.8	89.1	90.7	92.0	92.8	93.0	93.6	93.6	93.6	93.6	93.6	93.6
≥ 300	63.0	82.0	84.6	85.8	88.3	89.9	91.7	93.3	94.3	94.7	95.4	95.5	95.6	95.6	95.7	95.7
≥ 200	63.0	82.0	84.6	85.8	88.5	90.1	91.9	94.0	94.9	95.6	96.4	96.6	97.1	97.1	97.2	97.2
≥ 100	63.0	82.0	84.6	85.8	88.5	90.1	91.9	94.1	95.2	95.8	97.2	97.3	98.2	98.3	98.8	99.1
≥ 0	63.0	82.0	84.6	85.8	88.5	90.1	91.9	94.1	95.2	95.8	97.2	97.3	98.2	98.3	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

125768

OTIS AFB MA

68-70,73,75-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2 1/2	≥2	≥1 1/2	≥1 1/4	≥1	≥3/4	≥1/2	≥1/4	≥1/8	≥1/16	≥0
NO CEILING	35.9	51.0	51.2	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 20000	37.0	52.5	52.7	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 18000	37.1	52.6	52.8	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 16000	37.1	52.6	52.8	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 14000	38.6	54.3	54.5	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 12000	39.5	55.5	55.7	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 10000	40.7	58.4	58.7	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 9000	40.7	58.7	58.9	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 8000	43.1	62.3	62.6	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 7000	43.1	62.7	62.9	63.1	63.5	63.5	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 6000	44.5	64.7	64.9	65.2	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 5000	45.9	66.8	67.0	67.2	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500	46.2	68.0	68.2	68.4	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 4000	47.4	70.6	70.8	71.0	71.5	71.6	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 3500	47.9	72.3	72.5	72.7	73.3	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 3000	48.7	74.4	74.8	75.0	75.5	75.6	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 2500	50.3	78.0	78.5	78.8	79.3	79.4	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2000	51.7	80.3	80.7	81.3	82.3	82.4	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	51.7	80.3	80.8	81.4	82.4	82.5	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1500	52.4	82.0	82.7	83.3	84.5	84.6	84.8	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1200	52.4	82.5	83.3	84.0	85.2	85.4	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 1000	52.6	82.8	83.8	84.4	85.7	86.0	86.5	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 900	52.6	82.9	83.9	84.5	85.9	86.3	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 800	52.6	83.0	84.2	85.1	86.5	86.8	87.3	87.4	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 700	52.6	83.0	84.3	85.2	86.6	86.9	87.4	87.8	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 600	52.7	83.4	85.0	85.8	87.6	88.0	88.5	89.0	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 500	52.8	83.7	85.3	86.7	88.4	89.0	89.8	90.5	91.0	91.3	91.5	91.5	91.5	91.5	91.5	91.5
≥ 400	52.8	83.8	85.4	86.9	89.0	89.6	90.9	92.2	93.0	93.3	93.4	93.4	93.4	93.4	93.4	93.4
≥ 300	52.8	83.8	85.4	87.0	89.3	90.2	92.0	93.4	94.3	94.7	94.8	94.8	94.9	94.9	95.0	95.0
≥ 200	53.0	84.0	85.6	87.3	89.6	90.6	92.7	94.5	95.9	97.2	97.5	97.5	97.6	97.6	97.7	97.7
≥ 100	53.0	84.0	85.6	87.3	89.6	90.6	92.7	94.5	96.0	97.8	98.5	98.5	98.8	99.0	99.7	99.8
≥ 0	53.0	84.0	85.6	87.3	89.6	90.6	92.7	94.5	96.0	97.8	98.5	98.5	98.8	99.0	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 924

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

105 6P

OTIS AFB MA

66-70, 73, 75-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/10	≥1/8	≥1/16
NO CEILING	35.3	51.1	51.8	52.1	52.1	52.1	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5
≥ 20000	36.1	52.3	53.0	53.3	53.3	53.3	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.8
≥ 18000	36.1	52.3	53.0	53.3	53.3	53.3	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.8
≥ 16000	36.1	52.3	53.0	53.3	53.3	53.3	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.8
≥ 14000	37.2	53.5	54.2	54.5	54.5	54.5	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.0
≥ 12000	37.6	53.9	54.7	54.9	54.9	54.9	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.4
≥ 10000	39.1	56.2	57.0	57.2	57.3	57.3	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.8
≥ 9000	39.1	56.2	57.0	57.2	57.3	57.3	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.8
≥ 8000	40.9	59.8	60.5	60.8	60.9	60.9	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.4
≥ 7000	40.9	60.7	61.4	61.6	61.7	61.7	61.8	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.5
≥ 6000	42.3	63.5	64.3	64.6	64.7	64.7	64.8	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.4
≥ 5000	42.5	65.2	66.1	66.3	66.4	66.4	66.5	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	67.2
≥ 4500	42.6	65.8	66.6	66.8	67.0	67.0	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.7
≥ 4000	44.1	67.9	68.8	69.2	69.3	69.3	69.5	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	70.1
≥ 3500	45.0	69.5	70.3	70.8	70.9	70.9	71.0	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.6
≥ 3000	46.0	72.4	73.3	73.8	74.0	74.0	74.1	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.8
≥ 2500	47.2	74.3	75.2	75.8	76.1	76.1	76.2	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.8
≥ 2000	48.9	77.7	78.6	79.2	79.6	79.6	79.7	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.4
≥ 1800	48.9	79.2	79.0	79.7	80.0	80.0	80.1	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.9
≥ 1500	49.6	79.5	80.3	81.1	81.4	81.4	81.5	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.4
≥ 1200	50.0	80.4	81.4	82.3	82.7	82.9	83.5	83.8	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.5
≥ 1000	50.0	80.8	81.7	82.7	83.3	83.5	84.2	84.6	84.8	84.9	84.9	84.9	84.9	84.9	84.9	85.2
≥ 900	50.2	81.2	82.4	83.4	84.0	84.2	85.1	85.5	85.8	85.9	85.9	85.9	85.9	85.9	85.9	86.2
≥ 800	50.2	81.3	82.6	83.6	84.3	84.6	85.8	86.2	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.8
≥ 700	50.2	81.7	83.4	84.6	85.7	86.0	87.3	87.7	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.6
≥ 600	50.3	81.8	83.7	84.9	86.0	86.5	87.9	88.6	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.5
≥ 500	50.4	82.1	84.1	85.4	87.0	87.5	89.1	90.0	90.4	90.8	90.8	90.8	90.8	90.8	90.8	91.1
≥ 400	50.5	82.3	84.3	86.2	87.7	88.6	90.5	91.6	92.1	92.6	92.7	92.7	92.7	92.7	92.7	93.0
≥ 300	50.5	82.3	84.5	86.3	88.3	89.3	91.8	93.4	93.9	94.8	94.9	94.9	94.9	95.1	95.1	95.4
≥ 200	50.5	82.4	84.6	86.4	88.5	89.6	92.4	94.6	95.2	96.2	96.3	96.4	96.6	96.7	97.0	97.1
≥ 100	50.5	82.4	84.6	86.4	88.5	89.6	92.5	94.8	95.8	97.0	97.2	97.3	98.3	98.4	99.0	99.5
≥ 0	50.5	82.4	84.6	86.4	88.5	89.6	92.5	94.8	95.8	97.0	97.2	97.3	98.3	98.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS

920

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12-68

OTIS AFB MA

68-70,73,75-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	39.5	49.0	49.2	49.4	49.5	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.0
≥ 20000	41.1	51.0	51.3	51.4	51.6	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 18000	41.2	51.1	51.3	51.5	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9
≥ 16000	41.2	51.1	51.3	51.5	51.7	51.7	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 14000	42.9	52.9	53.2	53.3	53.5	53.5	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 12000	43.5	53.9	54.1	54.3	54.5	54.5	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 10000	45.2	56.5	56.7	56.9	57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4
≥ 9000	45.3	56.6	56.9	57.1	57.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.6	57.6
≥ 8000	47.2	60.0	60.3	60.5	60.7	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 7000	47.8	61.4	61.7	61.9	62.2	62.2	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.6
≥ 6000	49.1	63.4	63.7	64.0	64.3	64.3	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.7
≥ 5000	50.4	65.3	65.8	66.0	66.3	66.4	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.8	66.8
≥ 4500	50.8	66.0	66.5	66.7	67.1	67.2	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6
≥ 4000	51.7	68.1	68.5	68.9	69.2	69.3	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.8
≥ 3500	52.7	69.3	69.8	70.2	70.6	70.7	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2
≥ 3000	54.4	72.1	72.7	73.2	73.6	73.8	74.0	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3
≥ 2500	55.9	74.3	75.0	75.5	76.1	76.3	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.9
≥ 2000	57.6	76.9	77.7	78.4	79.2	79.4	79.7	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800	57.8	77.1	78.3	78.6	79.5	79.7	80.0	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 1500	58.3	78.3	79.3	80.0	80.9	81.1	81.5	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 1200	58.8	79.4	80.4	81.3	82.3	82.7	83.2	83.5	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1000	59.1	79.8	81.0	82.0	83.2	83.5	84.1	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.8	84.8
≥ 900	59.1	80.1	81.4	82.4	83.7	84.1	84.7	85.1	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5
≥ 800	59.1	80.3	81.8	82.9	84.3	84.8	85.5	86.0	86.3	86.4	86.5	86.5	86.5	86.5	86.5	86.6
≥ 700	59.1	80.6	82.2	83.4	85.1	85.6	86.4	87.0	87.4	87.7	87.8	87.8	87.9	87.9	87.9	88.0
≥ 600	59.2	80.8	82.6	84.0	85.9	86.6	87.5	88.3	88.8	89.1	89.3	89.3	89.3	89.4	89.4	89.4
≥ 500	59.2	81.0	83.0	84.6	86.9	87.7	89.0	90.1	90.7	91.1	91.3	91.3	91.4	91.5	91.5	91.5
≥ 400	59.2	81.2	83.3	85.2	87.9	88.8	90.7	92.2	93.0	93.5	93.8	93.8	93.9	93.9	94.0	94.0
≥ 300	59.2	81.3	83.4	85.3	88.4	89.6	91.9	93.8	94.8	95.5	95.9	95.9	96.1	96.1	96.2	96.2
≥ 200	59.3	81.3	83.5	85.4	88.6	89.7	92.0	94.5	95.6	96.8	97.3	97.3	97.8	97.9	98.0	98.0
≥ 100	59.3	81.3	83.5	85.4	88.6	89.7	92.2	94.6	95.8	97.2	97.9	98.0	98.8	98.9	99.5	99.6
≥ 0	59.3	81.3	83.5	85.4	88.6	89.7	92.2	94.6	95.8	97.2	97.9	98.0	98.9	99.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7212

2

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ALL

MONTH

ALL
HOURS (L.S.T.)

TOTAL NUMBER OF OBSERVATIONS 67122

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED,
BROKEN, OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE
TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

NOTE: PERCENTAGES IN OTHER TENTHS CLASSES SHOULD BE
DISREGARDED, BECAUSE THEY ARE NOT STATISTICALLY
SIGNIFICANT.

2

1

JAN

Mini

1

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00-02	35.3			15.3						9.5	39.9	5.3	884
	03-05	37.4			13.4						9.9	39.3	5.2	882
	06-08	27.5			17.3						13.9	41.3	5.9	886
	09-11	25.6			17.5						15.7	41.2	6.1	898
	12-14	21.2			21.4						16.6	40.8	6.2	900
	15-17	19.0			23.9						15.7	41.4	6.3	905
	18-20	28.9			19.2						11.1	40.7	5.7	906
	21-23	31.3			16.3						11.9	40.5	5.6	907
TOTALS		23.3			18.0						13.0	40.6	5.8	7168

FORM
JUL 64

FORM 0-9-5 (OL A)
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

AD-A113 716 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
OTIS AFB, FALMOUTH, MASSACHUSETTS. REVISED UNIFORM SUMMARY OF S--ETC(II)
FEB 82
UNCLASSIFIED USAFETAC/DS-82/010 SBI-AD-F850 155 NL

315

315

315

315

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4

FEB

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	42.2			12.4						7.6	37.7	4.8	798
	03-05	40.5			12.0						8.0	39.4	5.0	797
	06-08	27.9			16.6						14.1	41.4	5.9	817
	09-11	18.5			24.2						17.8	39.5	6.3	827
	12-14	18.4			22.7						19.6	39.3	6.4	820
	15-17	21.6			22.4						15.1	40.9	6.1	821
	18-20	31.8			17.7						10.9	39.7	5.5	827
	21-23	39.1			15.0						8.5	37.4	5.0	821
TOTALS		30.0			17.9						12.7	39.4	5.6	6528

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

67

24

MAR

9-22-00

1

1

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

[1]

1

APR

MONTH

1

1

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

75

4

MAY

MONTH

1

4

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

2

4

JUN

MONTH

1

3

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SKY COVER

725768
STATION

OTIS AFB MA
STATION NAME

68-70,73,75-80
PERIOD

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	24.6			15.4						14.3	45.6	6.3	840
	03-05	15.5			19.2						15.1	50.2	7.0	850
	06-08	13.0			20.4						20.1	46.5	7.1	867
	09-11	13.0			26.5						22.2	38.3	6.6	861
	12-14	7.4			33.4						25.7	33.4	6.7	870
	15-17	9.7			33.8						25.5	31.1	6.4	879
	18-20	8.6			28.8						24.5	38.1	6.9	873
	21-23	17.4			19.7						19.1	43.8	6.7	832
TOTALS		13.7			24.7						20.8	40.9	6.7	6872

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

725068
STATION

OTIS AFB MA
STATION NAME

68-70,73,75-80
PERIOD

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	24.3			21.4						12.8	41.5	5.9	814
	03-05	21.1			19.6						15.9	43.4	6.4	826
	06-08	14.1			22.1						21.6	42.2	6.8	867
	09-11	12.3			30.4						22.9	34.4	6.4	863
	12-14	9.2			32.8						26.3	31.8	6.5	872
	15-17	8.6			29.6						29.3	32.5	6.8	869
	18-20	9.4			29.2						25.1	36.3	6.8	870
	21-23	20.7			27.2						15.0	37.1	5.9	852
TOTALS		15.0			26.5						21.1	37.4	6.4	6835

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

24

4

SEP
MON:

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JER	30-32	35.4			17.1						10.7	36.7	5.2	830
	33-35	29.2			22.0						12.6	36.2	5.4	846
	36-38	18.3			28.4						18.7	34.6	6.0	863
	39-41	15.7			29.8						21.9	32.7	6.1	869
	42-44	12.2			33.8						25.0	29.0	6.2	860
	45-47	15.1			29.8						24.1	31.0	6.2	872
	48-50	19.2			28.9						22.5	29.4	5.8	871
	51-23	31.8			22.8						15.2	30.2	5.1	861
TOTALS		22.1			26.6						18.8	32.5	5.8	6872

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

357

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	33.4			18.8						11.1	36.7	5.2	866
	03-05	32.8			16.5						13.2	37.4	5.4	871
	06-08	19.5			25.1						18.5	36.9	6.1	888
	09-11	17.7			28.2						21.7	32.4	6.0	908
	12-14	16.0			29.5						20.5	34.0	6.1	896
	15-17	17.0			28.8						17.7	36.5	6.1	904
	18-20	23.9			24.9						14.9	36.2	5.7	898
	21-23	33.1			17.5						14.6	34.7	5.3	884
TOTALS		24.2			23.7						16.5	35.6	5.7	7115

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

404

STATION

STATION NAME

PERIOD

6. 2. 2.

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10		
NOV	0-02	31.9			11.3						12.4	44.4	5.9	777
	03-05	32.2			12.7						9.9	45.3	5.8	771
	06-08	20.8			13.6						16.8	43.8	6.5	867
	09-11	16.9			20.0						17.8	45.3	6.7	865
	12-14	13.9			23.7						19.3	43.2	6.8	857
	15-17	13.8			22.0						21.1	43.1	6.9	874
	18-20	24.1			16.5						15.2	44.2	6.3	868
	21-23	28.8			14.0						12.3	44.9	6.0	867
TOTALS		22.8			17.4						15.6	44.3	6.4	6746

FORM
JUL 64

FORM 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

72-068
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

PERIOD

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00-02	34.7			15.8						6.5	43.1	5.4	787
	03-05	37.9			12.7						8.2	41.3	5.2	782
	06-08	23.3			19.8						15.4	41.6	6.1	890
	09-11	15.8			24.4						18.1	41.7	6.5	894
	12-14	15.3			22.1						17.9	43.7	6.6	914
	15-17	17.5			22.1						16.0	44.4	6.5	909
	18-20	29.0			17.8						11.4	41.8	5.7	900
	21-23	32.9			17.1						9.0	41.0	5.4	893
TOTALS		25.9			19.0						12.8	42.3	5.9	6969

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SKY COVER

125606
STATION

OTIS AFB MA

STATION NAME

68-70,73,75-81

PERIOD

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	28.3			18.0						13.0	40.6	5.8	7168
FEB		30.0			17.9						12.7	39.4	5.6	6528
MAR		22.5			17.0						14.8	45.8	6.4	7195
APR		26.4			20.3						14.8	38.6	5.8	7023
MAY		17.7			20.1						18.5	43.7	6.6	7285
JUN		15.7			22.3						19.3	42.8	6.7	6773
JUL		13.7			24.7						20.8	40.9	6.7	6872
AUG		15.0			26.5						21.1	37.4	6.4	6835
SEP		22.1			26.6						18.8	32.5	5.8	6872
OCT		24.2			23.7						16.5	35.6	5.7	7115
NOV		22.8			17.4						15.6	44.3	6.4	6746
DEC		25.9			19.0						12.8	42.3	5.9	6969
TOTALS		22.0			21.1						16.6	40.3	6.2	83381

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GLOBAL CLIMATOLOGY BRANCH

AIR WEATHER SERVICE/MAC

STATION

STATION NAME

49-74

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
75						.1	.3	.4					.1
74						1.1	3.0	1.3	.1				.5
73					.4	4.5	12.0	8.0	2.7				2.3
72					2.1	16.5	41.2	33.9	10.3	.6			8.7
71				.8	8.4	42.1	77.0	68.6	31.6	4.5			19.3
70				3.0	20.8	69.7	94.7	91.6	57.1	17.5	.9		29.4
69			.6	10.1	43.8	87.5	99.4	99.0	78.5	40.0	4.1	.3	38.4
68	.1		2.5	21.6	68.7	96.7	100.0	99.9	94.5	63.0	16.4	3.4	47.0
67	3.6	1.9	8.8	43.1	87.7	99.6		100.0	99.2	82.7	35.3	10.5	55.9
66	12.0	7.8	20.2	66.0	96.8	100.0			100.0	95.4	59.2	21.3	64.7
65	23.0	19.6	40.9	88.6	99.5					99.0	79.9	37.3	73.9
64	41.2	43.1	70.5	97.8	100.0					99.9	92.7	57.2	83.5
63	63.5	68.3	88.1	100.0						100.0	98.1	75.5	91.1
62	80.9	85.8	97.8								99.9	90.7	96.2
61	91.4	94.1	99.3								100.0	96.8	98.5
60	97.5	98.0	99.8									98.8	99.5
59	99.5	99.7	100.0									99.7	99.9
58	99.9	100.0										100.0	100.0
57	100.0												100.0
56													
55													
54													
53													
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3													
2													
1													
0													
MEAN	37.6	37.8	43.4	53.6	63.3	72.9	78.4	77.0	70.7	62.1	51.4	41.5	57.5
S D	9.288	8.148	7.746	7.765	7.680	7.075	5.514	5.522	7.109	7.579	7.986	9.718	16.525
TOTAL OBS	806	734	806	779	806	750	775	775	750	775	750	775	9281

GLOBAL CLIMATOLOGY BRANCH

USAFETAC

AF WEATHER SERVICE/MAC

700064 CTIS AFB MA STATION STATION NAME

49-74

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
75								.1					.6
74						.5	9.8	10.1	2.3				1.9
73						7.1	43.2	35.0	12.7	.4			8.2
72					.7	32.4	78.8	68.0	29.5	4.4	.3		17.7
71				.1	8.9	65.2	96.6	90.2	54.1	17.5	2.1	.1	27.7
70	.2			2.3	30.3	89.5	99.6	98.7	76.5	37.5	7.6	1.2	36.7
69	.6	.1	2.1	12.5	62.7	98.3	100.0	99.9	91.5	56.5	19.1	3.4	45.3
68	3.5	1.6	6.7	38.8	89.3	100.0		100.0	98.3	75.7	38.4	10.8	55.1
67	11.4	9.5	23.7	69.8	98.1			100.0	91.4	59.2	24.0		65.5
66	17.4	15.7	37.7	81.0	99.4				94.3	67.7	30.3		70.2
65	26.7	28.7	56.0	92.8	99.9				98.5	79.7	42.1		77.0
64	45.2	49.3	79.2	98.8	100.0				99.9	93.6	58.7		85.3
63	65.1	67.4	90.8	99.9					100.0	98.1	76.6		91.5
62	77.2	79.6	96.5	100.0						99.9	88.6		95.1
61	88.5	90.2	99.0							100.0	95.9		97.8
60	95.9	96.6	99.6								98.6		99.2
59	98.8	99.2	100.0								99.4		99.8
58	99.8	99.9									100.0		100.0
57	99.9	100.0											100.0
56	100.0												100.0
55													
54													
53													
52													
51													
50													
49													
48													
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7													
6													
5													
4													
3													
2													
1													
0													
MEAN	22.6	23.0	29.7	37.8	46.5	56.5	63.3	62.1	55.2	45.9	36.8	26.9	42.2
S D	10.173	9.459	7.244	5.873	5.719	5.580	4.739	5.633	7.453	8.325	8.460	10.169	16.148
TOTAL OBS.	308	734	836	779	806	750	775	775	750	775	750	775	9281

2

FEDERAL CLIMATOLOGY BRANCH
AFETAC

AIR WEATHER SERVICE/MAC

STATION 25069 OTIS AFB MA STATION NAME

49-74

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
70						.4	3.1	2.2	.5				.5
75						4.4	22.1	18.3	5.2				4.1
78					.9	20.4	63.5	51.4	18.4	.3			12.9
80					7.1	53.2	92.6	84.8	41.6	7.7	.4		23.8
82				2.1	24.3	80.5	99.6	98.3	68.8	25.2	2.1		33.2
85	.2		.4	10.0	52.4	97.3	100.0	99.9	89.7	50.6	9.9	1.3	42.4
88	.7	.3	3.8	27.1	82.1	99.9		100.0	98.8	72.3	24.0	6.5	51.1
90	6.0	2.7	12.4	54.6	97.0	100.0			100.0	88.9	49.2	15.4	60.4
92	16.6	12.8	33.9	85.9	100.0					98.2	73.5	29.4	70.7
94	33.4	34.7	65.6	98.1						99.9	89.9	50.1	80.9
96	55.8	58.2	86.2	99.9						100.0	97.9	68.6	88.9
98	74.6	77.2	95.4	100.0							99.7	84.5	94.3
100	86.6	89.9	98.9								100.0	94.6	97.5
102	94.7	96.2	99.4									98.6	99.1
104	98.8	99.2	100.0									99.5	99.8
106	99.6	99.9										99.9	99.9
108	100.0	100.0										100.0	100.0
110													
112													
114													
116													
118													
120													
122													
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192													
194													
196													
198													
200													
MEAN	35.3	30.6	36.7	45.9	55.1	64.9	71.0	69.7	63.1	54.2	44.3	34.4	50.0
S.D.	9.193	8.222	6.947	6.156	6.025	5.742	4.462	5.024	6.752	7.337	7.646	9.476	16.066
TOTAL OBS.	806	734	806	779	806	750	775	775	750	775	750	775	9281

AT LEATHER SERVICE/MAC

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

STATION

UTIS AFB MA

STATION NAME

49-74

YEARS

A. HOLE DEGREES FAHRENHEIT

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA) (AT LEAST ONE DAY LESS THAN 24 OBS)
JUL 64

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

725068 STIS AFB MA
STATION

STATION NAME

49-74

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
49	16	6	12	32	39	46	53	52	42	36	16	13	6
50	8	0	3*	28	35	49	53	52	39	32	26	-1	-1
51	9	9	20	31	38	47	59	53	37	33	15	9	9
52	6	14	16	28	37	48	53	51	43	29	24	10	6
53	15	10	11	33	40	47	51	52	41	35	31	12	10
54	1	0	21	19	35	46	50	51	45	36	27	15	0
55	11	-1	19	29	40	43	58	52	43	32	21	-2	-2
56	6	11	13	30	31	48	54	51	39	33	20	9	6
57	-7	10	20	28	37	45	55	51	36	35	17	17	-7
58	6	-2	26	31	33	41	57	56	43	35	18	5	-2
59	5	1	18	27	40	47	58	53	43	30	22	9	1
60	10	21	10	28	42	50	56	55	44	32	26	8	8
61	2	-9	13	31	34	47	56	52	44	34	27	9	-9
62	9	7	8	25	35	47	50	48	38	26	27	-4	-4
63	6	2	19	27	38	49	55	50	40	32	28	3	2
64	2	11	23	24	34	45	55	48	44	32	22	13	2
65	-1	7	18	21	36	45	47	44	42	31	24	14	-1
66	8	4	23	29	34	45	50	52	38	22	25	13	4
67	7	-4	1	24	31	42	53	52	41	32	14	12	-4
68	-4	3	11	29	35	50	53	48	41	35	23	-2	-4
69	10	12	18	20	33	49	53	47	36	25	17	11	10
70	-12	5	15	23	28	41	54	53	44	28	20	11	-12
71	-1	1	21	27	40	41	52	48	43	40	23	9	-1
72	2	1	9	26	34	43	49	49	45	26	17	13	1
73	3	2	17	28	33	44	56	55	39	35	22	16	2
74	4	11	17	32	38								
MEAN	4.6	5.1	15.5	27.3	35.8	45.8	53.6	51.0	41.2	31.8	22.1	8.9	.9
S.D.	6.287	6.486	6.107	3.792	3.362	2.799	3.014	2.754	2.784	4.069	4.527	5.876	5.885
TOTAL OBS.	836	734	806	779	806	750	775	775	750	775	750	775	9281

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
JUL 64

0-88-5 (OL A)

4 (AT LEAST ONE DAY LESS THAN 24 OBS)

PSYCHROMETRIC SUMMARY

MONTH

PAGE 2 0000-0200
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF Weather Service/MAC

PSYCHROMETRIC SUMMARY

725068
STATION

QTIS AFB MA

STATION NAME

68-70, 73, 76-81

YEARS

JAN
MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
57 / 57		.3	.2															5	5						
56 / 55	.1	.1																2	2	4	3				
54 / 53	.5		.1															6	6	8	6				
52 / 51		.3	.2															5	5		3				
50 / 49		.4	.2															6	6	5	1				
48 / 47		1.1																10	10	9	7				
46 / 45	.3	.1	.3															7	7	12	14				
44 / 43		.5	.5															10	10	6	5				
42 / 41		1.9	.5															22	22	10	3				
40 / 39	.7	2.5	1.2	.8														47	47	27	24				
38 / 37		2.3	1.2	.1														33	33	25	10				
36 / 35	.2	3.3	.9															40	40	43	22				
34 / 33	.1	2.5	2.5															47	47	45	28				
32 / 31	.4	4.0	1.5	.5	.1													60	60	42	34				
30 / 29		3.2	2.4	1.2														62	62	56	38				
28 / 27	.1	3.8	2.4	1.4														71	71	38	41				
26 / 25	.1	3.4	2.0	.7														56	56	72	42				
24 / 23		2.2	1.2	.1														32	32	64	29				
22 / 21	.4	3.2	3.6															66	66	55	26				
20 / 19	.1	2.4	3.0															50	51	61	50				
18 / 17	.3	2.3	3.1															52	52	48	37				
16 / 15	.1	2.5	1.6															39	39	45	39				
14 / 13	.1	2.4	1.1															33	33	52	35				
12 / 11	.3	3.0	.1															31	31	32	43				
10 / 9	.1	4.0	.4															41	41	36	56				
8 / 7		2.9	.1															27	27	42	45				
6 / 5		2.1																19	19	26	42				
4 / 3	.1	.9																9	9	19	25				
2 / 1		.5																5	5	8	41				
0 / -1	.2	.2																4	4	5	38				
-2 / -3	.2	.2																4	4	5	30				
-4 / -5	.1	.8																8	8	6	24				
-6 / -7																				3	15				
-8 / -9	.1																	1	1	1	13				
Element (X)	Σ X'		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature											Total			
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

JAN
MONTH

0600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

JAN
MONTH

3600-3800
HOURS U. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
- / -9	.1																	1	1	1	12														
- / -11																					10														
1 / -13	.1																	1	1	1	8														
1 / -15																					14														
1 / -17																					7														
1 / -19																					5														
1 / -21																					7														
2 / -25																					1														
2 / -27																					3														
TAL	4.360	2.31	3.4	2														924	924	924	924														

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	4499176	62780	67.9	15.911	924		1.7	68.7				93
Wet Bulb	698543	22811	24.7	12.112	924		2.1	74.2				93
Dew Point	601087	20783	22.5	12.032	924							93
	441893	14015	15.2	15.762	924	16.4	79.5					93

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

725268
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 76-81

YEARS

JAN
MONTH

PAGE 2

0900-1100
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF-WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-72,73,76-81 JAN
STATION STATION NAME YEARS MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
61		.1																1	1		
59		.2																4	4	2	
57		.1	.1		.1													3	3	1	3
55		.3	.2				.1											6	6	3	1
53		.1				.1	.1											3	3	4	4
51	.3	.2	.1	.1	.3													10	10	7	3
49		.9	.1	.2	.2													13	13	3	3
47		.9	.3	.3	1.0													23	23	11	6
45		1.4	.2	.3	.5	.3												26	26	15	11
43		.6	.2	1.8	.3	.2												30	30	19	12
41	.1	1.2	1.2	.6	1.0	.1												39	39	20	10
39	.3	2.2	.4	1.6	1.6	.2	.1											60	60	38	16
37		1.4	1.2	1.9	1.2	.2												55	55	40	16
35		1.6	2.4	1.6	1.2	.1												64	64	34	21
33	.1	1.6	2.3	3.0	1.2													76	76	64	29
31		3.5	2.4	4.1	1.3													104	104	72	40
29		2.1	2.8	3.5	.6													83	83	77	37
27	.1	1.7	1.9	4.2	.1													75	75	88	40
25		1.0	2.5	2.6	.1													57	57	87	49
23		.5	1.0	1.7														30	30	70	36
21		.8	3.4	.8														45	45	69	37
19		1.0	2.7	.6														40	40	52	62
17		.2	1.6	.2														19	19	42	40
15		.3	2.2	.1														24	24	29	57
13		.2	.9															10	10	26	43
11		.2	1.0															11	11	20	61
9			.4															4	4	11	36
7		.1	.6															7	7	10	34
5		.2																2	2	7	33
3																				3	46
1																					40
-1																					17
-3																					22
-5																					11
Element (X)	ΣX^2		ΣX		\bar{X}		σ^2		No. Obs.		Mean No. of Hours with Temperature						Total				
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725168
STATION

OTIS AFB MA

STATION NAME

66-70,73,76-81

YEARS

JAN
MONTH

PAGE 2

1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
- / -7																					8			
- / -9																					7			
- / -11																					7			
- / -13																					7			
- / -15																					10			
- / -19																					3			
- / -21																					4			
- / -23																					2			
TOTAL	1.024	732	129	511	0	1.3	.3											924	924	924	924			

Element (X)	Σ X'	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	3395397	53203	57.618	9.666	924							
Dry Bulb	1018532	29352	31.8	9.660	924		51.4					93
Wet Bulb	702618	25578	27.7	9.572	924		66.7					93
Dew Point	474030	16108	17.414	4.469	924	9.9	79.4					93

PSYCHROMETRIC SUMMARY

725068
STATION

OLIS AFB MA

STATION NAME

68-70, 73, 76-81

YEARS

JAN
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068
STATION

OTIS AFB MA

STATION NAME

68-70,73,76-81

YEARS

JAN
MONTH

PAGE 2

1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point				
-1/-11																						8			
-1/-13																						6			
-1/-15																						6			
-1/-17																						2			
-1/-19																						7			
-1/-21																						3			
-2/-25																						1			
-2/-27																						2			
TOTAL	1.326	6.638	6.624	7	7.5	1.3												930			928				
																	928		928						

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	
Rel. Hum.	3610341	55151	59.4	18.945	928							
Dry Bulb	963780	28700	30.9	9.168	930		55.6					93
Wet Bulb	762214	25180	27.1	9.231	928	.1	69.2					93
Dew Point	469562	16122	17.4	14.297	928	9.9	80.3					93

USAFETAC FORM 0-26-5 (O.L.A.) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

JAN
MONTM

1000-2000

[illegible]

USAFETAC

PSYCHROMETRIC SUMMARY

JAN
MONTH

1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM 0-26-5 (OL A)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

JAN
MONTH

2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
-1/-9																						13				
-1/-11																						16				
-1/-13																						7				
-1/-15																						2				
-1/-17																						12				
-1/-19																						4				
0/-21																						2				
2/-27																						3				
TOTAL	2.9	49.6	37.3	9.4	.8													924	924		924					

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068
STATION

OTIS AFB MA

STATION NAME

68-70,73,76-81

YEARS

JAN
MONTH

PAGE 1

ALL
HOURS (L, S, T,)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
4 / 63			.0															1	1					
5 / 61		.0	.0															3	3					
6 / 59	.0	.1			.0													11	11	8	4			
7 / 57	.0	.2	.1		.0													24	24	9	8			
8 / 55	.0	.3	.1	.0			.0											33	33	26	18			
9 / 53	.1	.1	.1	.0		.0	.0											25	25	29	30			
10 / 51	.1	.4	.1	.0	.0	.0												54	54	26	20			
11 / 49	.1	.5	.1	.1	.0	.0												63	63	45	29			
12 / 47	.0	.7	.2	.1	.1													87	87	65	50			
13 / 45	.1	.8	.3	.2	.2	.1												124	124	75	75			
14 / 43		1.1	.5	.5	.1	.0												166	166	92	53			
15 / 41	.1	1.7	.9	.5	.3	.0												250	250	155	77			
16 / 39	.3	2.0	1.0	1.0	.4	.0	.0											361	361	236	161			
17 / 37	.1	1.9	1.3	.7	.3	.1												331	331	251	143			
18 / 35	.1	2.5	1.6	.8	.4	.0												404	404	301	161			
19 / 33	.1	2.5	2.1	1.0	.3													447	447	395	221			
20 / 31	.2	4.0	2.3	2.2	.5													673	673	407	272			
21 / 29	.2	2.7	3.2	1.9	.2													599	599	542	285			
22 / 27	.1	2.7	2.9	2.3	.0													591	591	499	372			
23 / 25	.1	2.2	2.8	1.3	.0													475	475	650	341			
24 / 23	.1	1.5	2.3	.8														341	341	581	265			
25 / 21	.2	2.1	3.3	.4														437	437	470	294			
26 / 19	.1	2.1	2.9	.2														401	404	514	398			
27 / 17	.1	1.5	2.3	.1														294	294	386	332			
28 / 15	.1	1.6	2.0	.1														276	276	340	409			
29 / 13	.0	1.5	1.1															199	199	296	358			
30 / 11	.2	1.6	1.2															220	220	239	361			
31 / 9	.1	1.4	.6															149	149	211	371			
32 / 7		1.2	.2															104	104	193	360			
33 / 5		1.2																87	87	107	277			
34 / 3	.1	.7																59	59	94	292			
35 / 1		.4																28	28	53	330			
36 / -1	.1	.1																19	19	32	213			
37 / -3	.1	.2																23	23	27	148			
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Num.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JAN
MONTH

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
-1/-5	.0	.2																	15	15	15	127
-1/-7																					5	100
-1/-9	.0																		2	2	2	81
-1/-11	.0																		1	1	1	83
-1/-13	.0																		1	1	1	63
-1/-15																						56
-1/-17																						47
-1/-19																						38
-1/-21																						25
-2/-23																						7
-2/-25																						5
-2/-27																						17
-2/-29																						1
TOTAL	2.9	43.8	35.7	14.2	3.0	.3	.0													7381		7378
																			7378		7378	

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	32549625	472121	64.0	17.804	7378	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	6571594	204612	27.7	11.040	7381	6.1	503.7					744
Wet Bulb	5415931	183059	24.8	10.884	7378	8.4	571.3					744
Dew Point	3637580	120776	16.4	15.003	7378	101.9	638.1					744

PSYCHROMETRIC SUMMARY

0000-0200
HOURS S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
1/-15																						11													
1/-17																						8													
1/-19																						1													
1/-21																						2													
2/-23																						848													
TOTAL	2.445	944	3	7.1	.4																848														

PSYCHROMETRIC SUMMARY

FEB
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA STATION NAME

68-70, 73, 76-81 YEARS

FEB MONTH

PAGE 2 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																					TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.		Dry Bulb		Wet Bulb		Dew Point																			
1/-13																																										4	
14/-15																																										4	
16/-17																																										7	
17/-19																																										12	
2/-23																																										1	
24/-25																																										1	
TOTAL	7.2	51.4	40.8	4.1	.5																																				845	845	845

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

0600-0800
HOURS (L.S.T.)

[illegible]

PSYCHROMETRIC SUMMARY

FEB
MONTH

9600-0800

HOURS 14.5. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
14/-15																						6				
1/-17																						7				
1/-19																						10				
1/-21																						3				
2/-23																						1				
2/-27																						1				
TOTAL	1.154	.439	.4	.4	.7														846			845				

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

FEB
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (O.L.A.) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

FEB
MONTH

0900-1100

HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1/-11																						2													
1/-15																						8													
1/-17																						10													
1/-19																						4													
1/-21																						1													
TOTAL	.426	.343	.723	.1	5.5	.8	.1												847	847		847													

PSYCHROMETRIC SUMMARY

FEB
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
-6/-7																						10	
-5/-9																						2	
-10/-11																						3	
-1/-13																						1	
-14/-15																						10	
-15/-17																						5	
TOTAL	.518	.826	.436	.213	.4	3.9	.6	.1	.1										845	845		845	

Element (X)	ΣX^2	ΣX	\bar{X}	σ_n	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2956702	47374	56.1	18.878	845	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1053309	28895	34.2	8.792	845		35.7					84
Wet Bulb	799191	24949	29.5	8.610	845		53.3					84
Dew Point	459119	16027	19.0	13.558	845	6.1	70.1					84

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068
STATION

OTIS AFB MA

STATION NAME

68-70,73,76-81

YEARS

FEB
MONTH

PAGE 2

1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point				
-1/-7																					6			
-1/-9																					7			
-1/-11																					5			
-1/-13																					1			
-1/-15																					7			
-1/-17																					6			
-1/-19																					2			
TOTAL	.720	.529	.432	.013	.8	2.2	.6	.5	.2									848		847				

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.						$\leq 0^\circ F$	$\leq 32^\circ F$	$\geq 67^\circ F$	$\geq 73^\circ F$	$\geq 80^\circ F$	$\geq 93^\circ F$	
Dry Bulb	3092484	48340	57.1	19.858	847		36.7					84
Wet Bulb	1024540	28620	33.8	8.319	848		55.0					84
Dew Point	785212	24798	29.3	8.364	847	7.1	70.0					84

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068
STATION

QTIS AFB MA
STATION NAME

68-70,73,76-81
YEARS

YEARS

FEB
MONTH

PAGE 1

1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
4 / 53									.1										1	1					
2 / 51			.4					.1											4	4					
50 / 49		.5	.4				.1												8	8		3			
41 / 47		1.5																	13	13		4			
41 / 45	.1	1.8		.2															18	18		10			
41 / 43	.1	1.9	.5	1.2		.1													32	32		16			
42 / 41	.2	1.3	1.4	.2															27	27		22			
40 / 39	.1	1.2	1.9	.4	.1														31	31		13			
31 / 37	.1	4.0	2.4	1.2	.2														67	67		8			
31 / 35	.1	3.9	3.4	1.8	.4														81	81		19			
31 / 33		3.3	2.9	1.1	.5														65	65		48			
32 / 31		3.2	4.6	2.6	.4														91	91		47			
21 / 29		1.1	5.0	1.7	.1														66	66		41			
21 / 27	.2	2.5	2.5	3.7	.1														76	76		42			
21 / 25	.1	1.2	3.7	3.2															69	69		46			
21 / 23		1.0	3.4	1.4															49	49		33			
21 / 21		1.3	2.6	1.2															43	43		28			
21 / 19	.1	1.3	2.4	1.0															40	40		39			
11 / 17		.2	1.4	.2															16	16		49			
11 / 15		.2	1.9																18	18		59			
11 / 13		.2	1.7																10	10		43			
11 / 11		.1	.8																8	8		32			
10 / 9		.2	.5																6	6		42			
1 / 7		.4																	3	3		30			
1 / 5																					5	21			
4 / 3																						35			
1 / 1																						33			
1 / -1																						19			
-1 / -3																						12			
-1 / -5																						11			
-1 / -7																						7			
-1 / -9																						6			
-1 / -11																						8			
-1 / -13																						3			
Element (X)	ΣX^2		ΣX		\bar{X}		σ_X		No. Obs.		Mean No. of Hours with Temperature							Total							
Rel. Hum.											$\leq 0 F$	$\leq 32 F$	$\leq 47 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 44 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

FEB

MONTH

1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
1/-15																					6
1/-17																					6
1/-19																					4
TOTAL	1.3	32.4	43.0	21.0	1.8	.1	.1	.1	.1										842		842
																		842		842	

PSYCHROMETRIC SUMMARY

722-68
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 76-81

YEARS

FEB
MONTH

PAGE 1

2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B., W.B.	Dry Bulb	Wet Bulb	Dew Point			
27 / 51			.7															6	6					
51 / 49		.6	.4															8	8	4				
47 / 47		1.2	.2															12	12	9	4			
47 / 45	.1	1.3	.1				.1											14	14	15	12			
47 / 43	.1	1.3	.5	.2			.2											20	20	17	19			
27 / 41	.1	2.1	.9	.5														31	31	16	15			
47 / 39		1.4	1.2	.2														24	24	17	11			
37 / 37		3.7	1.7	.5														49	49	32	12			
37 / 35	.4	3.2	2.1	1.2														58	58	50	21			
37 / 33	.1	5.1	4.0	1.5														91	91	55	28			
27 / 31		4.8	2.6	1.1	.2													74	74	57	53			
27 / 29	.2	.8	3.9	1.3														53	53	87	46			
27 / 27	.1	3.1	3.3	1.4	.1													68	68	42	41			
27 / 25	.2	1.3	3.9	1.7														59	59	65	42			
27 / 23	.4	1.7	2.8	.2														43	43	56	38			
27 / 21		2.2	4.0	1.3														64	64	59	39			
27 / 19		2.7	3.8	1.1														64	64	69	44			
17 / 17		.9	2.0															25	25	55	30			
17 / 15		1.7	1.7															28	28	41	38			
17 / 13		.5	2.4															24	24	40	48			
17 / 11		.1	.9															9	9	17	47			
17 / 9		.5	.5															8	8	16	39			
7 / 7		.5	.6															9	9	11	32			
7 / 5		.6																5	5	11	34			
7 / 3																				5	29			
7 / 1																					28			
7 / -1																					17			
-7 / -3																					15			
-7 / -5																					14			
-7 / -7																					18			
-7 / -9																					3			
-17 / -11																					9			
-17 / -13																					1			
-17 / -15																					9			
Element (X)	Σ x²		Σ x		x̄		σ _x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

FEB.
MONTH

2100-2300
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

125 68 STATION 0TIS AFB MA STATION NAME 68-70,73,76-81 YEARS FEB MONTH

PAGE 1 ALL HOURS 11. 5. Y.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
27 / 61										.0		.0						2		2															
27 / 59								.0	.0	.0	.0	.0						4		4															
27 / 57			.0			.0	.0	.0	.0	.0								9		9															
27 / 55		.0	.1	.1	.0		.0	.0	.0	.0								17		17															
27 / 53		.1	.1	.0		.1		.0	.0									26		26	7	5													
27 / 51		.1	.3	.1	.1	.1		.1										39		39	15	4													
27 / 49		.5	.4	.1	.1	.1	.0											91		91	37	10													
27 / 47		1.1	.2	.1	.1	.0	.0											107		107	73	41													
27 / 45	.1	1.2	.3	.3	.2	.0												139		139	113	69													
27 / 43	.0	.9	.5	.6	.3	.1												165		165	116	93													
27 / 41	.1	1.4	1.2	.6	.5	.0												260		260	122	115													
27 / 39	.1	2.0	1.6	.7	.5	.1												327		327	193	86													
27 / 37	.1	3.4	1.8	1.0	.4	.2												474		474	321	115													
27 / 35	.1	3.1	2.6	1.3	.5	.2												521		522	420	213													
27 / 33	.0	3.2	3.1	1.7	.6	.0												566		586	474	280													
27 / 31	.1	3.6	3.1	2.4	.8													665		665	447	370													
27 / 29	.0	1.7	3.3	2.0	.3													501		501	561	315													
27 / 27	.1	1.7	2.1	2.1	.1													421		421	526	363													
27 / 25	.1	1.4	3.2	1.6	.0													429		429	514	330													
27 / 23	.2	1.2	2.6	1.0														341		341	494	279													
27 / 21	.1	1.4	2.4	.7														313		313	442	269													
27 / 19	.1	2.0	3.7	.8														445		445	437	350													
27 / 17	.0	1.2	1.8	.3														227		227	365	321													
27 / 15		1.3	1.5	.0														192		192	311	332													
27 / 13		.8	1.3															141		141	253	311													
27 / 11	.0	1.0	.7															122		122	156	327													
27 / 9		.6	.5															72		73	143	313													
27 / 7	.0	.6	.4															68		68	84	304													
27 / 5		.5																36		36	69	251													
27 / 3	.0	.3																20		20	49	315													
27 / 1		.1																5		5	18	243													
27 / -1																					5	169													
27 / -3																						134													
27 / -5																						108													
Element (X)	Σ x'			Σ x			Σ			σ _x			No. Obs.			Mean No. of Hours with Temperature											Total								
Rel. Hum.																≤ 0 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72068
STATION

OTIS AFB MA

STATION NAME

68-70,73,76-81

YEARS

FEB
MONTH

PAGE 2

ALL

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B. Dry Bulb	Wet Bulb	Dew Point	
-1/-7																																				70
-2/-9																																				37
-3/-11																																				37
-4/-13																																				22
-5/-15																																				61
-6/-17																																				44
-7/-19																																				47
-8/-21																																				6
-9/-23																																				4
-10/-25																																				1
-11/-27																																				1
TOTAL	1.4	3.6	4.3	8.9	17.5	4.6	.9	.2	.1	.0	.0																							6765	6765	

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Ref. Num.	28940670	424634	62.818	3.87	6765	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	
Dry Bulb	6646866	201354	29.8	9.843	6767		397.1					672
Wet Bulb	5367955	178919	26.4	9.696	6765	.5	484.2					672
Dew Point	3473584	119786	17.7	14.141	6765	73.6	569.6					672

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

MAR
MONTH

0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
47 / 53		.1		.1														2	3																
46 / 51		1.5	.6	.2														21	21	2	1														
50 / 49		1.4	.3	.1														17	18	18	9														
47 / 47		2.3	.1	.2														24	25	18	15														
47 / 45	.1	2.7	.8	.1		.2												35	35	33	19														
44 / 43		3.1	1.2	.4		.1												44	44	31	26														
42 / 41	.3	2.3	2.0	.2														44	51	30	29														
40 / 39	.1	6.1	2.4	1.2	.4													93	99	57	30														
37 / 37	.1	4.6	3.1	1.2	.2													84	84	75	41														
37 / 35	.3	5.3	4.1	1.3	.1													101	106	63	65														
37 / 33	.1	4.6	3.9	2.2	.2													100	100	97	51														
37 / 31	.1	3.5	4.0	1.5	.3													86	86	93	69														
37 / 29	.1	1.9	3.8	1.9	.1													70	73	78	41														
37 / 27	.1	3.4	2.4	1.0														63	63	80	73														
37 / 25	.1	1.8	2.1	1.7														51	51	72	59														
34 / 23		.7	.6	.3														14	14	48	43														
27 / 21		.9	1.7	.4														27	27	36	53														
27 / 19		.3	1.1															13	13	27	56														
17 / 17		.3	.7															9	9	28	58														
17 / 15		.1	.2															3	3	7	27														
17 / 13			.1															1	1	6	18														
17 / 11		.3																3	3	2	29														
10 / 9																				4	13														
7 / 7																					10														
7 / 5																					9														
4 / 3																					25														
1 / 1																					11														
1 / -1																					14														
-1 / -3																					8														
-1 / -5																					3														
TOTAL	1.54	7.43	5.01	4.3	1.4	.3													905	929	905	905													

Element (X)	$\Sigma x'$	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4926734	65120	72.0	16.327	905	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1185105	32423	34.9	7.594	929		34.3					93
Wet Bulb	983658	28928	32.0	8.078	905		49.4					93
Dew Point	742244	23638	26.1	11.751	905	2.6	63.6					93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72568
STATION

OTIS AFB MA

STATION NAME

68-70,73,76-81

YEARS

MAR
MONTH

PAGE 1

0300-0500

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
5 / 55			.1		.1													2		2				
4 / 53		.1	.1	.1			.1											4		4				
2 / 51		1.4	.3					.1										16	16	5	1			
5 / 49		2.0		.1					.1									20	20	23	15			
4 / 47		1.9	.2	.2														21	22	13	16			
4 / 45		2.3	.7	.1														28	28	23	19			
4 / 43	.1	2.9	.6	.3		.1												36	37	30	14			
2 / 41	.2	4.0	1.9	.3														58	64	30	25			
40 / 39	.6	4.7	1.7	.7	.1													70	76	62	35			
3 / 37	.6	5.2	3.1	1.3		.1												93	96	62	49			
7 / 35	.6	4.0	3.4	2.3	.3													96	99	76	57			
3 / 33	.2	5.3	3.3	.7	.2													88	88	82	48			
2 / 31		3.9	4.5	.6														81	82	88	64			
7 / 29		3.1	5.6	.4	.2													85	87	76	58			
2 / 27		2.2	1.9	1.3														49	49	79	58			
2 / 25		1.4	2.4	.3														38	38	71	52			
2 / 23		1.3	1.8															28	28	41	48			
2 / 21		1.3	2.1	.6														36	36	48	38			
1 / 19	.1	.8	2.6															32	32	27	64			
1 / 17		.4	.7															10	10	33	43			
1 / 15		.2	.6															7	7	22	44			
1 / 13		.2	.1															3	3	7	28			
1 / 11		.3	.2															5	5	2	36			
1 / 9																				4	9			
1 / 7																				2	10			
1 / 5																					14			
1 / 3																					27			
1 / 1																					13			
1 / -1																					10			
1 / -3																					8			
1 / -5																					1			
1 / -7																					2			
1 / -9																								
TOTAL	2.3	49.0	37.0	9.4	1.0	.2	.1	.1										906		929	906			
Element (X)	Σ x ²	Σ x	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total												
Rel. Hum.	5026542	65926	72.8	15.920	906	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93												
Dry Bulb	1143987	31739	34.1	8.153	929		37.7					93												
Wet Bulb	958585	28433	31.4	8.557	906		51.3					93												
Dew Point	729847	23293	25.7	12.031	906	2.2	64.4					93												

USAFETAC FORM 0-26-5 (OL A) 0-26-5 (OL A) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

MAR
MONTH

PAGE 1 0600-0800
HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
5 / 55			.2	.1														3	3					
4 / 53		.3	.1															4	4					
2 / 51		.9	.2	.2				.2										14	14	5	3			
5 / 43	.2	2.3	.3	.1			.1											28	28	20	12			
1 / 47		2.2	.4	.4	.2		.1											31	31	25	21			
4 / 45	.1	2.4	.7	.4	.1													34	37	25	25			
4 / 43		2.2	1.7	.3	.2	.1												41	46	32	17			
2 / 41		4.2	2.6	1.3	.1	.1												76	81	40	26			
4 / 39	.8	4.4	2.2	.9	.2	.2												79	84	65	31			
3 / 37	.3	4.3	2.2	1.4		.1												76	78	75	56			
2 / 35	.4	3.8	3.8	2.9	.6													103	104	72	43			
3 / 33		4.3	4.3	1.3	.1													91	91	70	60			
2 / 31		2.9	2.9	2.2														72	74	88	59			
1 / 29		2.4	4.5	.6														68	68	76	58			
2 / 27		1.3	2.9	.9	.1													47	48	73	50			
2 / 25		1.0	1.8	.7														31	31	67	52			
2 / 23		.8	1.4	.4														24	24	42	43			
2 / 21		.9	2.0	.4														30	30	33	47			
1 / 19		.6	2.2															25	25	29	46			
1 / 17	.1	.8	1.0															17	17	28	39			
1 / 15	.2	.4	.1															7	7	23	49			
1 / 13		.1	.1															2	2	11	45			
1 / 11		.1	.1															2	2	1	28			
1 / 9			.1															1	1	2	12			
1 / 7																				2	17			
1 / 5																					13			
1 / 3																					22			
1 / 1																					14			
1 / -1																					10			
-2 / -3																					5			
-1 / -7																					1			
-2 / -9																					2			
TOTAL	2.2	42.6	37.9	14.7	1.7	.6	.2	.2										906	930	906	906			
Element (X)	Σx²		Σx		Σ		Σ²		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	4819925		64369		71.0		16.510		906		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	1206124		32596		35.0		8.277		930				32.9										93	
Wet Bulb	994425		28981		32.0		8.629		906				49.0										93	
Dew Point	742913		23485		25.9		12.175		906		1.8		62.8										93	

USAFETAC FORM 0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
SERIAL 44

PSYCHROMETRIC SUMMARY

MAR
MONTH

0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

MAR
MONTH

~~0900-1100~~
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
/ -1																						7	
- / -3																						2	
- / -5																						2	
- / -7																						1	
TOTAL	1.021	521.6	28.7	17.9	6.2	1.7	.8	.3	.2										929	901		901	
																			901				
							</																

PSYCHROMETRIC SUMMARY

MAR
MONTH

1200-1400
HOURS 11-5-7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
77 / 77											.1							1	1					
76 / 75									.1									1	1					
74 / 73								.1										1	1					
68 / 67					.1				.1									2	2					
66 / 65						.2	.1	.2	.1									3	3					
64 / 63					.2	.1	.2	.2		.1								8	8					
62 / 61				.1			.2	.1		.2								6	6					
59 / 59			.6	.1	.3	.4	.1		.2									16	16	3				
57 / 57		.1	.2	.1	.3	.4	.1	.1	.2									15	15	4				
55 / 55		.6	.7	.3	.4	.6	.6		.1									29	29	9				
54 / 53		.9	.1	.3	.6	.7	.4	.3	.2									32	32	15	11			
52 / 51		.8	.6	1.1	1.1	1.2	.6	.2										50	54	19	14			
50 / 49		2.1	.4	1.2	2.7	.9	.3	.1										70	76	28	11			
47 / 47	.1	1.7	.9	1.3	2.8	1.3	.7											79	88	36	17			
45 / 45		1.1	1.2	.7	2.3	1.2	.2											61	63	39	27			
44 / 43		1.9	1.1	1.3	1.3	2.0	.1											70	70	76	20			
42 / 41		1.4	1.4	1.8	2.2	1.6	.2											78	78	74	20			
40 / 39		.8	.6	3.1	3.4	.9	.1											80	83	71	38			
37 / 37	.1	.2	1.8	2.4	2.1	.4												64	64	63	50			
35 / 35		.7	2.3	1.4	2.3	.8												68	69	68	41			
34 / 33		2.4	.7	1.9	1.6													59	61	101	38			
32 / 31	.1	1.4	1.0	2.1	1.6													56	56	94	48			
29 / 29		.3	.9	1.4	.3													27	27	64	69			
27 / 27			.7	.8														13	13	46	66			
25 / 25		.1	.1	.4														6	6	43	47			
24 / 23			.1	.2														3	3	30	41			
22 / 21			.2	.1														3	3	8	43			
19 / 19																				7	68			
17 / 17																				3	54			
15 / 15																					37			
14 / 13																					30			
12 / 11																					27			
10 / 9																					22			
7 / 7																					15			
Element (X)	Σ X²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT- WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725069
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 76-81

YEARS

MAR
MONTH

PAGE 2

1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
5																					11		
4																					23		
3																					7		
2																					3		
1																					1		
0																					2		
-1																							
-2																							
-3																							
-4																							
-5																							
TOTAL	.316	.515	.522	.425	.712	.5	4.1	1.3	1.0	.3	.1								901	928	901		
																			901		901		

USAFETAC FORM 0-26-5 (OL A) 1-64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725-68
STATION

OTIS AFB MA

STATION NAME

68-70,73,76-81

YEARS

MAR
MONTH

PAGE 1

1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point							
67 / 67					.1	.1			.2									4	4									
66 / 65				.1			.1	.1										3	3									
64 / 63					.1		.2											3	3									
62 / 61				.1			.2	.1		.1								5	5									
60 / 59			.1			.1	.2	.1	.1	.1								7	7	2								
58 / 57			.2	.1	.2	.3	.2	.1										11	11	1								
56 / 55		.7	.1	.1	.3	.1	.1											13	13	4	1							
54 / 53		1.2	.7	.6	.7	.7	.3	.2										39	41	10	7							
52 / 51	.1	.9	1.1	.4	.7	.8	.2	.1										39	40	21	10							
50 / 49		.7	1.0	1.2	1.2	1.5	.3	.1										55	62	25	13							
48 / 47		1.9	.9	2.0	2.3	1.5	.1											79	84	30	16							
46 / 45	.2	1.3	1.9	1.8	1.8	1.2	.3											77	79	45	23							
44 / 43		1.3	.8	2.1	1.5	1.2	.1											64	64	50	18							
42 / 41	.1	1.3	1.8	1.9	3.6	1.0	.1											89	90	82	31							
40 / 39		2.2	1.7	3.0	2.0	1.2												91	94	75	35							
38 / 37		.3	1.9	3.2	1.8	.2												67	69	79	43							
36 / 35		.3	2.3	2.5	1.9	.7												70	71	60	40							
34 / 33		1.9	2.0	2.3	1.7	.2												73	73	103	45							
32 / 31	.2	3.2	.9	1.7	1.0													63	63	106	49							
30 / 29		.2	.9	1.1	1.2													31	31	77	69							
28 / 27		.1	.3	.9														12	12	49	84							
26 / 25			.3	.4														7	7	40	67							
24 / 23		.1																1	1	24	34							
22 / 21																				17	52							
20 / 19			.2															2	2	3	64							
18 / 17			.1															1	1		32							
16 / 15																				2	35							
14 / 13																				1	39							
12 / 11																					22							
10 / 9																					10							
8 / 7																					17							
6 / 5																					11							
4 / 3																					17							
2 / 1																					16							
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature																	
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb																												
Wet Bulb																												
Dew Point																												

PSYCHROMETRIC SUMMARY

MAR
MONTH[illegible]

Element (X)	$\Sigma x'$	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3420305	52849	58.3	19.311	906	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total
Dry Bulb	1690811	38953	41.9	7.987	930		11.7	.4				93
Wet Bulb	1244179	32845	36.3	7.686	906		32.7					93
Dew Point	783536	24418	27.0	11.773	906	.6	64.1					93

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

MAR
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.W.B.	Dry Bulb	Wet Bulb	Dew Point			
56 / 55	.1								.1									2	2	1	1			
47 / 53	.2	.3		.3	.1	.1												10	10	2	2			
27 / 51	.1	1.8	.7	.3	.3	.1		.1										31	32	7	4			
56 / 49		1.3	1.0	.2	.7	.1												30	33	20	13			
46 / 47		2.2	.7	.8	.4													37	39	21	11			
46 / 45	.1	2.8	.9	1.1	.9	.2	.1											55	56	32	21			
44 / 43		2.1	2.3	1.9	.6	.4												66	68	45	20			
42 / 41	.1	2.1	2.1	2.4	.7	.7												73	77	42	34			
46 / 39		3.5	4.3	2.2	2.0	.2												111	117	65	33			
37 / 37		3.4	2.7	2.5	.6													83	85	79	42			
27 / 35	.1	2.3	5.2	3.1	1.3													109	113	98	40			
36 / 33		2.4	4.0	2.4	1.1													90	90	92	46			
27 / 31	.3	3.7	3.1	1.8	1.5													94	94	104	74			
27 / 29		1.3	2.3	1.3	.9													50	50	100	79			
27 / 27		.6	.9	.9	.3													24	24	66	78			
27 / 25		.6	.8	1.3														24	24	49	64			
26 / 23			.3	.2														5	5	36	48			
27 / 21		.1	.3	.1														5	5	24	45			
27 / 19		.1	.1															2	2	12	55			
16 / 17																				6	36			
16 / 15			.1															1	1		35			
14 / 13		.1	.1															2	2		25			
16 / 11																				3	19			
16 / 9																					17			
16 / 7																					10			
16 / 5																					9			
16 / 3																					11			
16 / 1																					23			
16 / -1																					5			
-16 / -3																					2			
-16 / -5																					2			
TOTAL	1.1	30.8	31.5	23.0	11.4	1.9	.1	.1	.1									904	929		904			
Element (X)	Σx²		Σx		X̄		sₓ		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.	4282167		60045		66.4		18.041		904		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	1387111		35321		38.0		6.901		929				20.7										93	
Wet Bulb	1096387		30785		34.1		7.293		904				41.2										93	
Dew Point	768729		24291		26.9		11.335		904				.9		65.5								93	

PSYCHROMETRIC SUMMARY

MAR
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
57			.1		.1													2	2													
53		.2																2	2	1												
51		.7	.7	.3														15	15	3	1											
49	.1	1.7	.4	.1	.1													22	25	11	7											
47		3.1	.6	.2														35	35	20	11											
45	.1	2.3	.6	.2	.1	.2	.1											33	33	45	28											
43		2.8	2.9	1.7	.2													68	70	27	22											
41	.3	3.4	2.4	1.1	.3													69	73	43	37											
39	.2	3.8	2.3	2.1	.6													81	84	65	35											
37	.1	4.5	2.1	1.9	.3													81	83	70	43											
35	.1	4.4	5.4	1.7	.4													109	114	69	50											
33	.2	4.6	4.2	1.7	.3													100	103	104	47											
31	.4	2.2	5.6	1.4	1.2													99	100	103	71											
29	.3	3.4	3.1	1.2	.7													79	80	90	68											
27		1.3	1.2	2.3														44	44	81	65											
25	.1	.4	.9	.9														21	21	60	78											
23	.1	.9	.6	.4														18	18	39	44											
21		.2	1.1	.1														13	13	32	58											
19		.1	.6															6	6	19	53											
17		.4																4	4	13	32											
15		.1																1	1	6	34											
13																				1	22											
11		.3																3	3		15											
9																				3	10											
7																					12											
5																					16											
3																					14											
1																					18											
-1																					9											
-3																					3											
-5																					2											
TOTAL	2.24	1.03	4.71	7.3	4.4	.2	.1											905	929	905	905											
Element (X)	Σx²	Σx	Σ	σ _x	No. Obs.	Mean No. of Hours with Temperature																										
Rel. Hum.	4779486	63976	70.7	16.858	905	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																				
Dry Bulb	1258811	33555	36.1	7.103	929		29.0					93																				
Wet Bulb	1033479	29811	32.9	7.547	905		45.9					93																				
Dew Point	765029	24261	26.8	11.262	905	1.4	64.1					93																				

PSYCHROMETRIC SUMMARY

725068
STATION

OLIS AFB MA

STATION NAME

68-70, 73, 76-81

YEARS

MAR
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL			TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
/ 7																				4	104		
/ 5																					102		
/ 3																					151		
/ 1																					121		
/ -1																					63		
- / -3																					30		
- / -5																					11		
- / -7																					3		
- / -9																					4		
T. Tot	1.4	33.3	29.2	19.4	10.7	4.1	1.1	.4	.2	.1	.0								7433		7234		
																			7234		7234		

Element (X)	Σx^2	Σx	\bar{x}	σ_A	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	34074380	477382	66.0	18.854	7234							744
Wet Bulb	11225976	281838	37.9	8.520	7433		193.9	1.1	.4			744
Dew Point	8773731	244731	33.8	8.267	7234		335.9					744
	6087073	191451	26.5	11.877	7234	11.4	509.9					744

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

0000-0200
MOLDS (1, 5, 7)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1 / 61			.1															1	1																
1 / 59	.1	.4		.2														7	7	4	3														
1 / 57		.8	.6	.2	.1													15	15	5	6														
5 / 55		1.7	.1	.4	.1		.1											22	22	13	2														
4 / 53	.1	1.3	1.0	.2	.1	.1	.1											27	27	22	17														
2 / 51	.6	1.2	1.6	.6	.3	.2												40	40	18	22														
5 / 49	.3	3.1	2.6	.9	.2	.2												66	66	28	17														
4 / 47	.2	3.3	2.7	1.8		.2												68	68	63	23														
4 / 45		3.1	2.7	2.0	.3	.2												75	75	49	48														
4 / 43		4.3	4.2	3.0	.4	.1												109	109	79	49														
2 / 41		6.3	4.9	2.6	.1		.1											126	126	81	57														
4 / 39	.4	3.4	4.6	2.4	.6													103	103	110	54														
3 / 37	.4	2.7	2.1	1.2														58	58	119	79														
7 / 35	.1	2.6	1.2	2.3	.3													59	59	88	80														
3 / 33	.1	2.1	1.2	1.4	.6													49	49	63	76														
2 / 31	.4	2.8	.9	1.3	.2													48	48	50	105														
1 / 29		.4	.4	.8														15	15	50	49														
2 / 27		.2	.3	.1														6	6	27	52														
1 / 25			.6															5	5	14	37														
2 / 23		.1																1	1	11	13														
1 / 21																				2	32														
1 / 19																				4	29														
1 / 17																					12														
1 / 15																					5														
1 / 13																					6														
1 / 11																					7														
1 / 9																					7														
1 / 7																					6														
1 / 5																					5														
1 / 3																					2														
TOTAL	2.940	0.030	4.21	8	3.4	1.1	.3											900	900	900															
																		900		900															
Element (X)	Σx²		Σx		R		σ _x		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.	5216166		67164		74.6		15.062		900		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total												
Dry Bulb	1662821		38185		42.4		6.893		900				7.5										90												
Wet Bulb	1432653		35313		39.2		7.237		900				15.8										90												
Dew Point	1158611		31037		34.5		9.910		900				36.7										90												

PSYCHROMETRIC SUMMARY

APR
MONTH

HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
4 / 63						.2												2	2															
4 / 61		.2			.1													3	3															
4 / 59		.3		.2	.1													6	6	2	1													
5 / 57	.1	.6	.1	.1														8	8	5	5													
5 / 55	.1	.8	.7															14	14	6	5													
5 / 53	.3	2.2	1.3	.1	.2	.1												39	39	29	17													
5 / 51	.1	1.8	1.4	.4	.2													36	36	22	11													
5 / 49	.6	3.0	1.1	.6	.3													50	50	31	28													
4 / 47	.1	4.4	1.6	.3	.6	.1												64	64	53	34													
4 / 45		2.9	1.2	1.0	.8	.2												55	55	56	54													
4 / 43		4.8	3.3	1.6	.4													91	91	59	40													
4 / 41	.1	4.7	5.8	2.4	.3													120	120	57	53													
4 / 39	.1	5.5	5.0	1.6	.4													113	114	82	38													
3 / 37	.2	4.3	3.4	2.6														95	95	143	59													
3 / 35		2.7	1.7	1.1	.1													50	50	107	72													
3 / 33		2.1	1.4	1.1	.2													44	44	57	98													
2 / 31	.1	2.6	1.7	1.7														54	54	59	96													
2 / 29	.7	.9	.9	.7														28	28	50	53													
2 / 27		.8	.8															14	14	33	52													
2 / 25		.2	.3															5	5	27	46													
2 / 23		.2	.3															5	5	11	18													
2 / 21			.2															2	2	4	28													
2 / 19			.1															1	1	3	35													
1 / 17																				3	12													
1 / 15																					10													
1 / 13																					10													
1 / 11																					6													
1 / 9																					10													
1 / 7																					2													
1 / 5																					6													
TOTAL	2.644	.932	.515	.5	3.9	.7												899	900	899	899													

PSYCHROMETRIC SUMMARY

APR
MONTH

0600-0800
HOURS | L | S | T |

[illegible]

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

APR
MONTH

0600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

APR
MONTH

0900-1100

HOURS 11, 5, 7.

[illegible]

PSYCHROMETRIC SUMMARY

APR
MONTH

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																										TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point									
1 - / 13																							9							
1 - / 11																							9							
1 . / 9																							5							
/ 7																							2							
/ 5																							3							
- / 3																							4							
. / 1																							2							
TOTAL	1.1	4.5	10.2	16.9	21.6	18.0	10.8	4.8	1.6	.3	.2								899	900	899	899								
Element (X)	Z _{X'}	Z _X	I	e _x	No. Obs.	Mean No. of Hours with Temperature						Total																		
Rel. Hum.	3244256	50954	56.7	19.918	899	≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																		
Dry Bulb	2378650	45700	50.8	8.039	900		.9	2.7	1.4	.3		90																		
Wet Bulb	1770171	39323	43.7	7.473	899		5.4	.2				90																		
Dew Point	1187308	30992	34.5	11.506	899		38.2					90																		

PSYCHROMETRIC SUMMARY

APP

1200-1400
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

APR
MONTH

1200-1400
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
AUG 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,76-81 APR
STATION STATION NAME YEARS MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
47 / 83										.1										1	1			
47 / 79									.1											1	1			
70 / 77							.2													2	2			
76 / 75							.1		.3											4	4			
74 / 73								.2	.1											3	3			
72 / 71							.1	.1												2	2			
71 / 69					.1		.1													2	2			
65 / 67						.1	.8	.1												9	9			
66 / 65				.4	.3	.3	.1	.3	.1											15	15	3		
47 / 63			.4	.7	.3	.3	.8	.7		.3										32	32	2		
62 / 61		.2		.9	.4	.6	1.0	.4	.3	.1										36	36	5		
57 / 59	.2	.4	.3	1.1	.7	1.2	1.0	.9	.2											55	55	17	6	
56 / 57	.1	.7	.8	.7	1.3	1.1	1.3	.7	.4											64	64	19	10	
56 / 55		1.0	.9	.8	1.0	2.1	2.6	1.0	.1											85	85	31	8	
44 / 53	.2	.8	.8	.7	1.1	2.9	2.0	.4	.3											83	83	41	21	
52 / 51	.1	.6	.8	1.8	1.3	2.4	1.7	.3	.3											84	84	48	27	
50 / 47	.3	1.1	1.0	2.2	2.4	3.3	.8	.2												103	103	62	30	
47 / 47		1.6	.9	1.2	1.7	1.8	.6													69	69	63	34	
47 / 45		1.4	1.3	.7	1.9	1.8	1.0													73	73	103	46	
44 / 43		2.7	1.9	1.6	1.3	1.0	.2													78	79	109	30	
42 / 41		1.1	1.1	.9	1.3	.3	.1													44	44	119	52	
47 / 39	.1	.2	1.2	.7	.6	.2														27	27	96	58	
37 / 37		.6	.7		.2	.7														19	19	67	59	
37 / 35		.3	.2		.1	.1														7	7	57	62	
34 / 33																						36	60	
32 / 31																						11	65	
29 / 29																						4	72	
27 / 27																						5	64	
26 / 25																							47	
24 / 23																							27	
22 / 21																							32	
21 / 19																							34	
17 / 17																							12	
16 / 15																							8	
Element (X)	Σ x ²		Σ x		x̄		s _x		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

APR
MONTH

1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

725 768

OTIS AFB MA

68-70, 73, 76-81

APP

PAGE 1 1800-2000

1800-2000
HOURS

[illegible]

PSYCHROMETRIC SUMMARY

APR
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

APR

YEARS

MONTH

2100-2300

HOURS		S		T	
2	00	2	00		

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
2 / 61			.1	.1		.1												3	3							
2 / 59	.1	.6	.2															8	8	1	1					
2 / 57	.2	.6	.1	.9	.1			.1										17	17	9	8					
5 / 55		1.3	.4	.6		.1	.4											26	26	8	1					
4 / 53		2.1	1.1	.2	.1		.1											33	33	15	13					
2 / 51	.4	1.0	1.8	.6	.7													40	40	37	20					
5 / 49	.1	3.6	3.8	.8	.6	.1												80	80	32	23					
2 / 47	.2	2.2	2.9	2.6	.3	.3	.1											78	78	65	37					
4 / 45		4.3	3.5	1.7	.7	.2												93	93	66	43					
4 / 43		4.3	4.7	3.7	.9	.1												117	117	78	48					
2 / 41	.1	5.1	5.6	2.8	1.0	.1												132	132	99	67					
4 / 39	.3	3.0	4.2	.9	1.2	.2												89	89	116	71					
3 / 37	.4	3.1	2.8	.8	.4													68	68	125	79					
2 / 35	.1	.9	1.3	.9	.3	.2												34	34	79	91					
3 / 33	.2	1.4	1.4	1.0	.6	.1												43	43	54	71					
2 / 31		1.9	.3	.1	.3													24	24	38	87					
2 / 29		.3	.1	.4														8	8	39	50					
2 / 27		.2	.3															5	5	16	49					
2 / 25																				14	39					
2 / 23																				6	21					
2 / 21																				1	10					
2 / 19																					20					
1 / 17																					16					
1 / 15																					5					
1 / 13																					6					
1 / 11																					6					
1 / 9																					4					
2 / 7																					4					
2 / 5																					3					
2 / 3																					4					
2 / 1																					1					
TOTAL	2.3	36.1	34.4	17.5	7.2	1.7	.7	.1										898	898		898					
																		898		898						

Element (X)	Σ
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PSYCHROMETRIC SUMMARY

APR

All

ALL
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

APR
MONTH

ALL
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72-768
STATION

OTIS AFB MA

STATION NAME

68-70,73,76-81

YEARS

MAY
MONTH

PAGE 1

0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
7 / 69				.1														1	1					
6 / 65	.1	.5	.3			.1												10	10	2	2			
4 / 63	.6	.6	.2															14	14	12	10			
2 / 61	.9	1.3	.6	.1		.1												28	28	20	11			
1 / 59	.9	2.7	1.8	.6	.1	.2												59	59	30	25			
1 / 57	.2	4.2	1.4	.4	.3													61	61	37	26			
5 / 55	.2	5.2	2.0	1.7	.1													86	86	53	39			
4 / 53	.5	4.2	4.7	1.6	.2	.1												106	106	82	61			
2 / 51	.3	3.4	4.2	1.5	.5													93	93	66	69			
5 / 49	.2	6.1	4.8	.9	.8													119	119	112	62			
4 / 47		6.5	4.2	1.5	.5		.1											119	119	120	74			
4 / 45		4.2	4.3	1.2	.4	.2												96	96	109	113			
4 / 43	.1	2.2	2.5	1.2	.4	.1												60	60	85	83			
2 / 41		.9	1.5	.3	.2													27	27	73	82			
4 / 39		1.8	.4	.1														22	22	53	69			
3 / 37		.5	.5	.3	.1													14	14	33	56			
4 / 35		.5	.1	.4	.1													11	11	20	53			
3 / 33		.1	.1															2	2	10	26			
2 / 31		.2																2	2	7	25			
2 / 29																				6	11			
2 / 27																					12			
2 / 25																					2			
2 / 23																					3			
2 / 21																					8			
2 / 19																					4			
1 / 17																					1			
1 / 15																					1			
1 / 13																					2			
TOTAL	4.1	45.2	33.9	12.0	3.9	.9	.1											930	930	930	930			
Element (X)	Σ x'		Σ x		Σ		Σ _s		No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Hum.	6176065		74927		80.6		12.252		930		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93							
Dry Bulb	2426890		47150		50.7		6.263		930			.2	.1				93							
Wet Bulb	2169268		44472		47.8		6.775		930				1.3				93							
Dew Point	1928888		41598		44.7		8.571		930				6.9				93							

PSYCHROMETRIC SUMMARY

MONTH

HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
MAY 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION OTIS AFB MA 68-70,73,76-81 YEARS MAY MONTH

PAGE 1 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
79						.1												1	1		
74/ 73					.1	.1												2	2		
72/ 71				.2		.2		.1										5	5		
70/ 69				.1	.2			.1										4	4	1	
67/ 67		.2		.1	.3	.1	.2											9	9	3	
66/ 65	.2	.6	.9	.3	.2	.3	.1	.2										27	27	5	5
64/ 63	.3	1.0	.5	.5	.4	.4	.3	.1	.1									35	35	13	8
62/ 61	.3	2.0	1.1	1.2	.6	.9	.5	.3										65	65	28	15
59/ 59	.5	3.1	2.4	1.1	1.2	.9	.3											88	88	45	35
57/ 57	.4	2.0	2.7	2.2	1.6	1.1	.4											97	97	55	37
55/ 55	.2	4.7	2.5	2.7	1.6	.4	.1	.1										115	115	62	40
54/ 53	.3	3.4	2.7	2.2	1.7	.3	.3	.2										104	104	98	65
52/ 51		3.4	3.1	2.5	.9	.6	.1											99	99	105	70
50/ 49	.1	4.5	3.4	1.5	.8	1.1	.3											109	109	119	66
47/ 47		3.7	2.7	.9	.4	.1												72	72	118	89
46/ 45		1.5	1.5	.9	.4	.3												43	43	107	88
44/ 43		.5	1.2	.9														24	24	53	80
42/ 41		.2	.3	.3	.3													11	11	50	83
40/ 39		.6	.3	.3	.1													13	13	29	65
37/ 37		.4			.1													5	5	20	53
35/ 35				.2														2	2	11	33
34/ 33																				4	21
32/ 31																				3	23
30/ 29																				1	15
27/ 27																					14
25/ 25																					8
24/ 23																					3
22/ 21																					10
20/ 19																					1
17/ 17																					1
15/ 15																					2
TOTAL	2.5	32.2	25.3	18.0	11.1	7.0	2.8	1.2	.1									930	930	930	930
Element (X)	Σ x'	Σ x	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	5332457	68737	73.9	16.472	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb	2762574	50340	54.1	6.372	930			2.1	.3			93									
Wet Bulb	2347472	46336	49.8	6.466	930			.4	.4			93									
Dew Point	1986759	42187	45.4	8.868	930		7.7					93									

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

MAY
MONTH

0980-1100

HOURS: 11 5 T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
8 / 87								.2										2	2																
4 / 83							.1			.1								2	2																
2 / 81									.1									1	1																
1 / 79									.1									1	1																
7 / 77							.2	.1	.3	.1								7	7																
76 / 75						.1	.3	.2		.1								7	7																
74 / 73				.1	.2		.3		.2									8	8	2															
72 / 71			.3	.5	.3	.3	.3	.5	.4									26	26	1															
7 / 69		.3	.3	1.0	1.1	.6	.4	.3	.4	.3								45	45	2															
6 / 67		.1	1.1	.5	.4	.9	.6	.8	.9	.2	.1							52	52	6	6														
66 / 65	.2	.5	1.0	.4	1.5	1.1	1.4	1.0	.2		.1							69	69	23	7														
47 / 63		1.4	.4	1.8	1.0	1.7	1.9	1.2	.2	.1								91	91	36	17														
62 / 61	.4	1.6	1.4	2.2	1.8	1.1	1.1	1.0	.1	.1								100	100	55	29														
61 / 59	.1	1.7	1.8	1.0	2.3	2.2	2.3	.6	.2	.1								114	114	44	33														
5 / 57		1.9	1.6	1.1	1.8	2.0	1.1	.9	.2									99	99	89	37														
56 / 55	.1	2.0	1.5	.8	1.9	2.0	.5	.3	.2									88	88	87	48														
54 / 53		1.9	.8	1.2	1.9	.9	.6											68	68	96	75														
52 / 51		1.8	1.5	.9	.5	.8	.8											58	58	116	64														
5 / 49	.1	1.9	1.5	.6	.3	.8	.1											50	50	102	56														
47 / 47		.8	.1	.1	.2	.2												13	13	106	67														
46 / 45		.5	.2		.3	.3												13	13	63	61														
44 / 43			.3															3	3	45	79														
42 / 41		.2	.2			.1												5	5	25	50														
4 / 39		.5	.1															6	6	17	57														
3 / 37		.1																1	1	10	60														
75 / 35																				3	64														
34 / 33																				1	25														
32 / 31																					27														
2 / 29																					11														
2 / 27																					14														
26 / 25																					19														
24 / 23																					6														
22 / 21																																			

USAFETAC
FORM
AIR 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

MAY
MONTH

2900-1100

HOURS (L, S, T)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068
STATION

OTIS AFB MA

STATION NAME

68-70,73,76-81

YEARS

MAY
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
67/85							.1											1	1					
64/83										.2								2	2					
62/81						.1	.1											2	2					
61/79							.1	.2	.1	.1	.3							8	8					
71/77						.1	.1	.5	.3									10	10					
76/75				.3		.2	.1	.8	.5									18	18					
74/73				.8	.3	.8	.3	.1	.2	.1		.1						25	25	1				
72/71		.1	.5	.8	1.4	.6	.9	.6	.2	.1	.1	.1						51	51	2				
71/69		.1	.8	.6	1.1	.8	.8	.6	.8	.3	.1	.3						58	58	5	1			
67/67		.5	.4	.9	1.9	1.2	.8	1.5	.6	.2								75	75	16	2			
66/65	.3	.4	.5	.8	1.3	1.2	2.4	1.2	.9									83	84	39	21			
64/63	.2	1.0	.8	1.7	1.4	1.5	2.4	1.3	.6									101	101	48	25			
62/61		.5	.6	1.9	1.6	2.3	2.4	1.3	.6	.1								106	106	52	20			
60/59	.2	1.4	1.1	.6	.9	2.3	2.0	.9	.4	.2								93	93	58	35			
57/57		1.0	1.5	.8	1.2	1.2	1.5	.6										72	72	82	36			
56/55		2.2	.9	.3	1.3	1.1	1.9	.3										74	74	90	49			
54/53		1.5	1.0	.8	1.5	.3	.3	.1										51	51	107	76			
52/51		1.2	1.0	.6	.3	1.0	.3											41	41	101	64			
50/49	.1	1.2	.8	.6	.1		.2											28	28	105	62			
48/47		.4	.2	.1		.3												10	10	77	49			
46/45			.4															4	4	72	52			
44/43		.3																3	3	36	59			
42/41		.8																7	7	18	69			
40/39		.5																5	5	10	72			
38/37																				9	52			
36/35																					51			
34/33																					26			
32/31																					40			
30/29																					20			
28/27																					16			
26/25																					12			
24/23																					5			
22/21																					6			
20/19																					3			
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

MAY
MONTH

1200-1400
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72568 OTIS AFB MA 68-70,73,76-81 MAY
STATION STATION NAME YEARS MONTH
PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point						
82/ 81							.1											1	1							
77/ 79						.1			.1		.1							3	3							
77/ 77										.1								1	1							
76/ 75					.2	.2	.1	.3	.3				.1					12	12							
74/ 73				.1	.2	.3	.3	.3	.4				.1					17	17							
72/ 71			.5	.4	.8	1.0	.6	.6	.3	.2	.1							43	43	1						
71/ 69	.1	.1	.5	.5	1.4	1.0	.5	.4	.1	.1	.1							46	46	2	1					
67/ 67		.3	.8	.9	.9	.6	1.2	.3	.5									51	51	12	1					
66/ 65	.1	.9	.5	1.7	1.4	1.3	.6	1.1	.4	.1								76	76	20	15					
64/ 63	.3	.9	.2	2.5	1.4	1.7	1.2	1.0	.2									87	87	42	16					
62/ 61	.1	.4	1.2	2.2	1.9	1.8	1.4	1.4	.6	.1	.1							105	105	49	21					
62/ 59		1.9	1.8	1.8	1.3	3.7	1.5	1.2	.4									127	127	56	22					
57/ 57		1.4	1.1	1.0	2.5	2.3	.8	1.3										95	95	102	30					
57/ 55	.5	1.2	.9	1.1	1.4	1.4	1.6	.4										79	79	91	65					
47/ 53		1.1	.5	1.1	1.1	.5	.8	.3										50	50	81	79					
52/ 51		1.7	1.4	1.1	1.0	1.0												57	57	94	56					
57/ 49	.1	1.4	.6	1.3	.4	.1												37	37	112	77					
47/ 47		1.2	1.0	.5	.1	.3												29	29	93	56					
46/ 45			.1															1	1	81	59					
44/ 43		.3			.1													4	4	52	64					
42/ 41		.2	.3															5	5	25	59					
40/ 39		.2																2	2	8	82					
37/ 37		.2																2	2	8	59					
37/ 35																										
34/ 33																										
32/ 31																										
32/ 29																										
27/ 27																										
26/ 25																										
24/ 23																										
22/ 21																										
20/ 19																										
17/ 17																										
14/ 13																										
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																										
Dry Bulb																										
Wet Bulb																										
Dew Point																										

PSYCHROMETRIC SUMMARY

MAY
MONTH

1500-1700

[illegible]

USAFETAC FORM 0-26-5 (OL A) JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

MAY
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

725.68
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 76-81

YEARS

MAY
MONTH

PAGE 1

ALL

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

MAY
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
1 / 14																																26				
1 / 17																																13				
1 / 15																																9				
1 / 13																																4				
TOTAL	2.329	.023	.815	.110	.5	8.0	5.7	3.5	1.6	.4	.1	.1	.0																			7429	7428			
																																7428	7428			
															</																					

USAFETAC FORM 0-26-5 (OL A) JAN 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

 JUN
MONTH

0000-0200
HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
72 / 71		.3	.3															6	6			
71 / 69	.8	.9	.9	.6	.2	.1												31	31	13	11	
69 / 67	1.1	1.7	2.2	1.1	.1													56	56	20	18	
67 / 65	1.1	4.4	2.8	1.3	.2													88	88	42	30	
65 / 63	1.5	5.7	3.5	1.5	.2													110	110	91	50	
63 / 61	1.5	6.8	3.1	.2	.3													107	107	105	81	
61 / 59	1.6	7.7	5.0	.8														135	135	124	112	
59 / 57	.3	7.5	2.2	.2	.4	.1												97	97	116	107	
57 / 55	.1	5.6	2.2	.8	.6	.1												84	84	107	112	
55 / 53	.1	5.7	2.0	.7		.2												78	78	78	93	
53 / 51		3.7	1.8	.4														53	53	83	89	
51 / 49		.7	.9	.6														19	19	46	69	
49 / 47		.8	.4	.1														12	12	27	33	
47 / 45		.4	.6															9	9	17	21	
45 / 43		.2	.4															6	6	13	24	
43 / 41		.1	.2															3	3	6	15	
41 / 39																				5	11	
39 / 37																				1	9	
37 / 35																					6	
35 / 33																					3	
TOTAL	2.152	228.7	8.3	2.1	.6													894	894	894	894	

Element (X)	Σ x ²	Σ x	\bar{x}	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6702181	76923	86.0	9.667	894	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	3190296	53168	59.5	5.628	894			9.4				90
Wet Bulb	2942727	51025	57.1	5.842	894			3.3				90
Dew Point	2766750	49372	55.2	6.704	894			2.9				90

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

JIN

MONTH

0300-0500

HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
7 / 69	.3	1.2	.4	.1														19	19	8	4	
6 / 67	.7	2.6	2.3	.4														54	54	20	20	
6 / 65	1.1	2.7	2.2	1.1														64	64	38	28	
4 / 63	2.3	7.1	1.7	1.2	.1													112	112	74	41	
2 / 61	1.5	8.3	3.0	.7	.8													127	127	112	88	
1 / 59	1.7	6.7	4.1	.3	.1													116	116	116	119	
5 / 57	.3	9.6	3.1	.9														125	125	117	87	
5 / 55		6.4	1.8	.2	.3													78	78	115	121	
4 / 53		4.9	1.2	.8														62	62	90	99	
2 / 51		5.0	2.0	.1	.2	.2												68	68	75	79	
5 / 49	.1	1.8	1.5	.6														35	35	43	73	
4 / 47		.6	.9															13	13	34	39	
4 / 45		.7	.9	.1														15	15	22	29	
4 / 43		.2	.3															5	5	16	13	
2 / 41																				10	25	
4 / 39	.1		.2															3	3	4	12	
3 / 37																				2	9	
2 / 35																					3	
3 / 33																					4	
2 / 31																					3	
TOTAL	8.157	7.25	.8	6.6	1.6	.2												896	896	896	896	

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

JUN
MONTH

0600-0800
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
71 / 81							.1											1	1																
71 / 79					.1	.1												2	2																
71 / 77						.1	.1											2	2																
76 / 75			.2	.3	.1	.1	.1											8	8																
74 / 73		.2	.3	.9	.1	.1												15	15	1															
71 / 71		.6	1.4	1.0	1.0	.6												41	41	5															
71 / 69	.3	1.4	2.4	1.9	1.0	1.0	.1											74	74	21	13														
61 / 67	.6	2.0	4.3	2.3	1.1	.7	.1											100	100	52	24														
66 / 65	1.3	3.8	4.0	3.1	1.2	.6	.1	.1										128	128	62	58														
64 / 63	1.7	4.1	3.0	1.7	.7	1.0	.4											113	113	130	68														
62 / 61	.4	5.8	3.7	1.8	.8	.6	.2											119	120	108	89														
61 / 59	.9	5.3	4.0	1.2	.7	.7	.4											119	120	145	109														
61 / 57	.3	4.3	2.1	1.1	.7	.2												79	79	110	124														
51 / 55	.6	1.9	.6	.4	.4	.1												36	36	94	121														
64 / 53		1.6	.8	.4	.2	.1												28	28	60	72														
62 / 51		1.8	.9	.2	.2													28	28	44	58														
51 / 40		.1	.2	.1														4	4	39	48														
41 / 47			.1															1	1	18	31														
41 / 45																				6	21														
44 / 43																				3	24														
42 / 41																					18														
41 / 30																					7														
31 / 37																					10														
31 / 33																					2														
21 / 31																					1														
TOTAL	6.1	33.0	28.2	16.6	8.4	5.9	1.8	.1										898	900	898															
										</																									

PSYCHROMETRIC SUMMARY

JUN
MONTH

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068
STATION

QTIS AFB MA
STATION NAME

68-70,73,75-80
YEARS

JUN
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
8 / 87									.2	.2								4	4	
6 / 85						.1	.2		.1	.2								6	6	
4 / 83					.2	.3	.3	.6	.4									17	17	
2 / 81				.1	.2	1.0	.6	.8	.1									25	25	
7 / 79				.2	1.3	1.6	.2	.8	.2	.1								40	40	
7 / 77			.2	1.3	2.2	1.1	1.4	.9	.8	.2								74	74	1
76 / 75			1.3	1.3	2.1	2.0	1.9	1.8	.4	.1								99	99	3
74 / 73		.1	1.1	1.9	1.8	2.1	1.4	.6	.2									83	83	29
72 / 71		.9	.9	1.9	3.9	1.9	1.2	1.4	.3									112	112	53
70 / 69	.3	.8	2.0	1.4	2.7	2.2	2.1	1.7										119	119	84
68 / 67	.1	1.1	.7	.6	1.2	.7	2.0	.6	.3	.1								66	66	75
66 / 65	.3	1.7	1.4	1.6	1.1	.7	1.6	.9	.2									85	85	104
64 / 63	.1	2.0	1.1	1.8	.7	.3	.2	.2										58	58	118
62 / 61	.2	1.3	.7	1.2	.7	.2	.4											43	43	115
60 / 59	.2	.8	.7	.3	.4	.6												27	27	88
58 / 57	.1	1.2	.1	.1	.2	.1												17	17	88
56 / 55	.1	.2	.7	.1	.3													13	13	57
54 / 53		.4	.1															5	5	33
52 / 51			.3															3	3	33
50 / 49		.3																3	3	10
48 / 47																				8
46 / 45																				
44 / 43																				
42 / 41																				
40 / 39																				
38 / 37																				
36 / 35																				
34 / 33																				
32 / 31																				
TOTAL	1.6	10.9	11.3	13.9	19.1	14.9	13.7	10.1	3.4	1.0								899	899	899
																		899	899	

USAFETAC FORM 84 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JUN
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
8 / 87										.1								1	1															
76 / 85							.1			.1								2	2															
4 / 83						.2	.1		.2									5	5															
52 / 81				.1	.3	.3	.2	1.0	.2									20	20															
1 / 79				.2	.4	.6	.6	.3			.1	.1						21	21															
71 / 77			.1	1.3	1.6	1.0	1.1	.7			.1							53	53															
76 / 75		.1	.6	1.9	1.4	1.9	1.4	1.0										75	75	1														
74 / 73		.1	.8	1.3	1.3	1.3	1.1	1.2	.1									66	66	20	1													
72 / 71		1.1	1.2	2.8	2.6	1.4	2.3	.2	.1									106	106	31	10													
71 / 69	.2	1.0	1.9	2.9	2.0	1.4	1.7	1.1	.1									111	111	59	38													
6 / 67	.6	1.3	3.7	1.7	3.1	1.7	2.7	.7	.2									140	140	82	46													
6 / 65	.1	2.7	2.0	1.8	.8	.7	1.3	.6	.1									90	90	108	49													
4 / 63		1.9	1.0	1.3	1.2	1.3	.3	.2										66	66	123	72													
52 / 61	.1	1.1	.8	.8	.7	.8	.4	.2										44	44	115	91													
1 / 59	.2	.8	1.2	.3	.6	.3	.1											32	32	98	104													
51 / 57	.1	1.8	.9	.3	.4	.1												33	33	74	68													
51 / 55	.3	.9	.6		.1													17	17	87	91													
54 / 53		.4	.3		.2													9	9	45	80													
2 / 51		.2	.1															3	3	33	58													
51 / 49		.3	.2															5	5	13	51													
41 / 47																				9	30													
41 / 45																				1	42													
44 / 43																					28													
42 / 41																					15													
4 / 39																					12													
31 / 37																					8													
31 / 35																					2													
34 / 33																					3													
TOTAL	1.7	13.8	15.4	16.8	16.8	13.1	13.6	7.2	1.1	.2	.2	.1						899	899		899													
																		899		899														

USAFETAC
FORM
NA 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

JUN
MONTH

1600-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
4 / 83									.1									1	1					
7 / 91						.1		.1	.1									3	3					
11 / 79				.1		.1												2	2					
74 / 77				.1	.2		.1	.1			.1							6	6					
76 / 75			.1	.2	.3	.1												7	7					
74 / 73		.3	.8	1.1	.2	.4	.1											27	27	2				
72 / 71		1.1	1.2	1.3	1.2	.4	.2											50	50	6	5			
7 / 69	.1	2.0	2.9	3.7	1.8	1.2	.1		.1									107	108	39	14			
6 / 67	.8	1.7	3.6	3.0	1.5	.6	.3	.1										104	104	47	40			
6 / 65	.6	3.5	4.1	5.1	1.7	.6	.7	.1	.1									147	147	71	36			
4 / 63		4.8	2.3	2.4	1.7	.9	.4											113	113	116	63			
42 / 61	.2	4.6	2.7	2.7	.9	.6	.3											107	107	148	107			
11 / 59	.1	2.4	1.9	1.7	.9	.8	.3											73	73	113	108			
5 / 57	.1	2.4	1.4	1.8	.6	.3												60	60	81	96			
5 / 55	.3	2.6	1.3	.4	.7													48	48	100	96			
4 / 53		1.0	.9	.3														20	20	69	78			
2 / 51		1.0	.3	.1	.3													16	16	56	77			
5 / 49		.3	.1	.1														5	5	26	48			
4 / 47			.1															1	1	15	43			
4 / 45	.1																	1	1	6	27			
4 / 43																				3	15			
2 / 41																					21			
4 / 39																					9			
3 / 37																					9			
2 / 35																					4			
3 / 33																					1			
2 / 31																					1			
TOTAL	2.227	8.23	8.23	9.12	4	6.1	2.7	.4	.4		.1							898	899		898			
																		898		898				

PSYCHROMETRIC SUMMARY

STATION NAME

68-70, 73, 75-83

YEARS

JUN
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

JUN
MONTH

ALL

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725-68
STATION

QTIS AFB MA

STATION NAME

66-70,73,75-80

YEARS

JUL
MONTH

PAGE 1

0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B. Dry Bulb	Wet Bulb	Dew Point															
77 / 77		.1					.1	.1											3	3															
76 / 75	.6	1.7	.3	.2	.1	.1													29	29	15	12													
74 / 73	1.9	3.2	1.2	.8		.1													67	67	36	34													
72 / 71	1.4	5.0	5.3	1.2	.3		.1												123	123	58	44													
70 / 69	1.2	7.1	4.6	.9	.2	.3													133	133	97	75													
68 / 67	1.4	3.7	4.2	1.0	.1	.3	.1												100	100	121	96													
66 / 65	1.4	8.9	3.4	2.3	.1	.1	.2												153	153	97	96													
64 / 63	.9	5.0	3.3	2.7	1.1	.1													121	121	134	98													
62 / 61	.2	3.9	2.8	1.3	.6	.2													84	84	92	95													
60 / 59		1.9	1.9	.6	.2	.3													47	47	91	98													
58 / 57		.1	2.0	.6	.2	.1													29	29	70	71													
56 / 55	.1	1.1	.8	.3															21	21	42	56													
54 / 53		.5	.8	.1															13	13	35	30													
52 / 51			.6																6	6	26	57													
50 / 49																					9	21													
48 / 47																					6	19													
46 / 45																						13													
44 / 43																						8													
42 / 41																						4													
40 / 39																						2													
TOTAL	9.1	42.2	31.3	11.9	3.0	1.8	.5													929	929	929													

Element (X)	$\Sigma x'$	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6825539	79013	85.1	10.655	929	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	4118012	61668	66.4	5.130	929			45.5	9.9			93
Wet Bulb	3789058	59074	63.6	5.928	929			32.7	5.1			93
Dew Point	3579479	57279	61.7	7.181	929			26.1	4.6			93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725-68
STATION

OTIS AFB MA

STATION NAME

68-70,73,75-80

YEARS

JUL
MONTH

PAGE 1

0300-0500

HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point													
76 / 75	.3	1.3	.8		.1													23	23	10	6														
74 / 73	1.8	1.9	.9	1.0	.1													53	53	24	26														
72 / 71	2.3	4.2	4.1	.6	.8													111	111	60	47														
70 / 69	2.6	6.8	4.7	.9														132	132	89	74														
68 / 67	2.4	4.3	5.7	.6														114	114	129	94														
66 / 65	1.0	5.3	4.7	1.5		.5												121	121	84	98														
64 / 63	1.0	5.7	4.8	1.5	.9													129	129	110	82														
62 / 61	.3	4.2	3.2	1.7	.2													90	90	113	84														
60 / 59		2.4	2.0	.9	.3	.1												53	53	96	106														
58 / 57		.9	2.2	.6	.3	.3												40	40	67	79														
56 / 55		.8	1.6	.3	.3													28	28	50	69														
54 / 53		1.0	.9	.3	.1													21	21	35	27														
52 / 51		.1	.5	.1														7	7	30	45														
50 / 49			.3															3	3	15	38														
48 / 47			.3															3	3	12	18														
46 / 45																					4	11													
44 / 43																						10													
42 / 41																						8													
40 / 39																						4													
38 / 37																						2													
TOTAL	11.63	8.83	5.31	0.1	3.1	1.0												928	928	928	928														

Element (X)	Z _X ¹	Z _X	X	σ _X	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6897271	79449	85.6	10.144	928	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	4019469	60867	65.6	5.420	928			43.4	7.6			93
Wet Bulb	3711354	58404	62.9	6.204	928			31.3	3.4			93
Dew Point	3514728	56698	61.1	7.392	928			24.8	3.2			93

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (O.L.A.)

USAFETAC FORM 0-26-5 (O.L.A.)

PSYCHROMETRIC SUMMARY

STATION NAME

68-70, 73, 75-80

YEARS

JUL
MONTH

PAGE 1

0600-0800
HOURS S. T.

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

PSYCHROMETRIC SUMMARY

JUL
MONTH

C900-1100

HOURS: 11:30 A.M. - 5:00 P.M.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
91										.1								1	1																
89							.2		.1									3	3																
87				.1		.2	.8	.2		.1								13	13																
85			.1			.9	.2	.5	.1	.1								18	18																
83			.1	.4	.9	1.2	.6	.4	.6	.1								41	41																
81			.6	.4	1.3	.8	1.0	1.3			.1							51	51	2															
79		.4	1.7	1.8	2.5	2.2	1.1	1.0	.2	.1								102	102	2	2														
77		.8	2.3	2.7	2.7	1.5	1.6	1.4	.3									123	123	25	5														
75		1.3	2.5	2.4	3.0	2.6	1.2	.5	.3	.2								130	131	51	15														
73	.1	1.6	1.7	3.1	1.8	1.1	1.1	1.0	.1									108	108	111	49														
71		1.1	3.0	1.4	1.9	1.5	1.6	1.0	.8	.1								115	115	97	75														
69	.1	1.7	.8	1.5	1.6	2.4	1.1	.5		.2								92	92	123	98														
67	.2	.9	.9	1.4	.8	1.0	1.0	.3										59	59	124	84														
65	.1	1.3	1.1	.8	.4	.2	.3		.1									40	40	94	91														
63		.9	1.1	.3		.3												24	24	88	75														
61			.1	.1	.1	.1												4	4	86	96														
59				.1														1	1	54	89														
57		.3	.1															4	4	40	60														
55																				21	39														
53																				9	44														
51																				2	27														
49																					25														
47																					15														
45																					21														
43																					14														
41																					1														
39																					1														
37																					1														
35																					1														
33																					1														
TOTAL	.5	10.2	16.0	16.6	17.0	15.8	11.7	8.2	2.7	1.1	.1							929	930	929	929														

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4454561	62765	67.6	15.187	929	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	5207											

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

JUL
MONTH

1200-1400

HOURS (L, S, T,)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1 / 91						.2		.1	.1	.1								6	6																
2 / 89						.1		.2	.3	.3					.3			12	12																
3 / 87						.2	.1	1.5	.6	.1								24	24																
4 / 85					.3	.2	1.1	1.1	1.1	.5	.5							45	45																
5 / 83			.3	1.3	1.3	2.0	.9	1.1	.8	.1								72	72	2															
6 / 81			.9	1.2	1.6	1.5	1.8	1.5	.6	.1	.1							87	87	3	2														
7 / 79		.3	.6	2.5	3.1	3.0	2.5	1.2	.5	.5								133	133	9	1														
8 / 77		.2	1.7	1.5	2.5	1.8	2.8	1.5	.9	.6	.2							128	128	40	13														
9 / 75	.1	1.4	1.4	2.6	1.9	1.7	1.3	1.0	1.1	.1								117	117	67	24														
10 / 73		.6	1.2	1.1	1.2	.8	1.2	.9	1.2	.1	.2	.1						79	79	122	51														
11 / 71		.8	1.9	1.8	1.9	1.2	1.7	.4	.3	.2								89	89	90	64														
12 / 69		.8	1.2	1.0	1.7	1.0	.9	.3										63	63	131	95														
13 / 67		.6	.8	1.1	.9		.5											36	36	114	87														
14 / 65		.3	.6	.4	.2	.4	.3											22	22	95	90														
15 / 63		.3	.6		.5													14	14	77	82														
16 / 61																				83	73														
17 / 59			.2															2	2	45	100														
18 / 57		.1																1	1	25	56														
19 / 55																				20	46														
20 / 53																				7	36														
21 / 51																					27														
22 / 49																					26														
23 / 47																					21														
24 / 45																					20														
25 / 43																					6														
26 / 41																					4														
27 / 39																					2														
28 / 37																					3														
29 / 35																					1														
30 / 31																																			
TOTAL	.1	5.4	11.6	14.7	17.6	14.6	16.0	10.0	6.5	2.5	.9	.1						930	930		930														

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.												

PSYCHROMETRIC SUMMARY

725-68
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

JUL
MONTH

PAGE 1

1500-1700

HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068
STATION

QTIS AFB MA

STATION NAME

68-70,73,75-80

YEARS

JUL
MONTH

PAGE 1

1800-2000
HOURS (L, S, T, I)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																					TOTAL		TOTAL											
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.		Dry Bulb		Wet Bulb		Dew Point																											
4/ 83			.1				.1		.1											3	3																														
5/ 81					.4	.4	.3	.2												13	13																														
6/ 79		.3	.3		.9	.8	.3	.2	.1											27	27		1																												
7/ 77	.1	1.1	.4	.6	1.6	.5	.8		.1											49	49		6	5																											
8/ 75	.4	3.5	1.9	2.4	1.7	.8	.5	.1		.1										106	106		24	18																											
9/ 73	.6	2.7	3.2	4.8	1.5	1.3	.3	.4	.1											139	139		56	34																											
10/ 71	1.0	3.7	4.3	3.5	1.9	.5	.2	.2	.2	.1										145	145		83	46																											
11/ 69	.4	3.9	4.2	3.0	2.7	1.6	.9	.1												156	157		120	83																											
12/ 67	.1	2.6	3.1	2.9	1.3	.6	1.1	.2												111	111		141	90																											
13/ 65		1.7	3.0	2.5	1.5	.6	.5													92	92		126	108																											
14/ 63		1.0	1.5	1.4	.8	.1		.1												45	45		106	108																											
15/ 61		.6	1.2	.6	.5	.2														28	28		93	82																											
16/ 59		.1	.2	.1	.3															7	7		73	98																											
17/ 57			.1	.1																2	2		47	73																											
18/ 55			.1																	1	1		29	48																											
19/ 53			.1																	1	1		15	33																											
20/ 51		.1																		1	1		4	31																											
21/ 49																							2	29																											
22/ 47																								15																											
23/ 45																								14																											
24/ 43																								8																											
25/ 41																								1																											
26/ 39																								2																											
TOTAL	2.721	3.23	8.21	9.15	2.7	6.6	5.1	1.6	.6	.2										926	927		926	926																											

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068
STATION

QTIS AFB MA

STATION NAME

68-70,73,75-80

YEARS

JUL
MONTH

PAGE 1

2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point										
79 / 79					.1													1	1												
77 / 77	.1	.3	.1		.1	.5												11	11	2	1										
75 / 75	1.1	2.4	.8	1.1	.2													51	51	21	18										
73 / 73	1.4	3.8	2.1	1.9	.3	.2	.1											91	91	43	34										
71 / 71	.9	6.7	5.0	.1	.8													124	124	62	49										
69 / 69	1.0	4.8	7.3	1.8	.3	.3	.2		.1									147	149	111	83										
67 / 67	.6	4.0	6.7	2.3	.9	.3	.1											138	138	119	87										
65 / 65	.8	5.7	3.1	3.7	.5	.2		.1										131	131	116	106										
63 / 63	.2	3.2	4.0	2.9	.9	.3	.1											108	108	128	106										
61 / 61		1.5	2.2	1.2	.3	.1												49	49	89	99										
59 / 59		1.2	1.1	1.3	.8		.1											41	41	81	81										
57 / 57		.3	1.5	.2		.1												20	20	70	63										
55 / 55		.2	.4	.2														8	8	32	64										
53 / 53		.1	.4															5	5	29	39										
51 / 51			.1															1	1	16	39										
49 / 49																				5	27										
47 / 47																				2	8										
45 / 45																					13										
43 / 43																					3										
41 / 41																					1										
39 / 39																					3										
37 / 35																					2										
TOTAL	6.0	34.2	34.8	16.7	5.2	2.2	.6	.1	.1										926	928		926									

Element (X)	Σx²	Σx	X̄	sₓ	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	6472619	76729	82.9	11.140	926	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	4276208	62836	67.7	4.817	928			56.6	15.4			93
Wet Bulb	3868978	59624	64.4	5.682	926			36.0	6.6			93
Dew Point	3626378	57578	62.2	7.069	926			27.3	5.3			93

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6472619	76729	82.9	11.140	926	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	4276208	62836	67.7	4.817	928			56.6	15.4			93
Wet Bulb	3868978	59624	64.4	5.682	926			36.0	6.6			93
Dew Point	3626378	57578	62.2	7.069	926			27.3	5.3			93

USAFETAC FORM 0-26-5 (OLA) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

JUL
MORTIN

ALI

HOURS (L - S - T -)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point														
91					.0	.0	.0	.0	.0	.0								8	8															
89					.0		.1	.0	.1		.1							17	17															
87				.0	.1	.0	.3	.1	.1	.0	.0							48	48															
85			.0	.1	.0	.4	.3	.4	.1	.1	.0							99	99															
83			.1	.3	.4	.6	.3	.3	.3	.0								165	165	2														
81		.0	.3	.3	.6	.6	.5	.5	.1	.0	.0							222	222	8														
79		.2	.6	.9	1.1	1.1	.7	.4	.2	.1	.0							395	395	20														
77	.0	.4	.8	1.1	1.4	.8	1.1	.4	.2	.1	.0							473	473	90														
75	.3	1.9	1.5	1.5	1.4	1.0	.6	.3	.2	.1	.0							662	663	259														
73	.9	2.2	1.8	2.3	1.0	.7	.5	.5	.2	.0	.0	.0						764	764	547														
71	.9	3.3	3.9	1.4	1.4	.6	.6	.3	.2	.1								943	943	640														
69	.8	3.8	3.7	1.6	1.1	1.0	.6	.2	.0	.0								958	962	907														
67	.7	2.5	3.4	1.5	.7	.5	.4	.1										718	718	1015														
65	.4	3.4	2.5	1.7	.6	.5	.2	.0	.0									697	697	823														
63	.3	2.4	2.5	1.3	.7	.2	.0	.0										543	543	851														
61	.1	1.6	1.3	.7	.3	.1	.0											305	305	716														
59		.7	.8	.4	.2	.1	.0											166	166	608														
57		.3	.9	.3	.1	.1												114	114	388														
55	.0	.3	.4	.1	.1													63	63	251														
53		.2	.3	.1	.0													44	44	151														
51		.0	.2	.0														16	16	88														
49			.0															3	3	38														
47			.0															3	3	20														
45																				4														
43																				61														
41																				23														
39																				12														
37																				6														
35																				10														
33																				1														
31																				1														
TOTAL	4.4	23.1	24.9	15.7	11.2	8.2	6.5	3.6	1.7	.6	.2	.0						7426	7431	7426														
																		7426		7426														

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

AUG
MONTH

HOURS L. S. T.

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

AUG
MONTH

0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
79	.2	.1																3	3	2	2														
77	.7	.2				.2												10	10	8	8														
75	.7	.9	.6	.1			.1											21	21	10	10														
73	.2	4.4	2.3	1.2														71	74	20	12														
71	1.7	5.6	3.8	.3	.1	.1												104	104	76	55														
69	1.1	5.1	6.4	.8	.3	.1												124	124	79	68														
67	.4	3.5	5.8	.6	.2													94	94	100	78														
65	.2	7.2	3.7	1.8	.3	.1												119	119	90	88														
63	.4	4.9	2.3	1.5	.1													83	83	126	106														
61	.2	3.6	2.7	.9		.1												67	67	75	97														
59	.2	3.8	1.9	.9	.1													62	62	79	65														
57		3.2	1.9	.4	.1													51	51	75	64														
55	.1	1.9	1.7	.9														41	41	50	74														
53		.6	1.1	.2														17	17	36	47														
51		.6	1.2															16	16	30	37														
49		.2	.4	.1														7	7	20	30														
47		.1	.1	.2														4	4	12	16														
45																				3	21														
43																				3	10														
41																					3														
39																					1														
37																					2														
TOTAL	6.345	9.36	0	9.7	1.6	.4	.1											894	897	894	894														

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

AUG
MONTH

0600-0800

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

 AUG
MONTH

2900-1100

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

 AUG
MONTH

1200-1400
HOUSE

[illegible]

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

AUG
MONTH

1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
60 / 95										.2								2	2					
54 / 93										.1								1	1					
50 / 91								.1										1	1					
47 / 89					.2	.2	.2	.2										8	8					
48 / 87					.4	.4	.3	.1	.2									14	14					
46 / 85				.4	.4	.7	.3	.3	.1									21	21					
47 / 83				.7	.7	1.2	.7	.6	.1		.2							37	37					
52 / 81			.7	.9	1.3	1.7	1.2	.7	.2	.1								61	61	2				
50 / 79		.3	1.8	2.1	2.2	2.4	1.7	1.2	.2	.2								110	110	16				
70 / 77		.4	1.0	3.2	3.4	2.2	1.7	.7	.3	.2								119	119	30	14			
76 / 75		.8	1.7	2.7	3.0	2.2	2.0	1.8	.7	.1								134	134	48	32			
74 / 73	.1	.4	2.0	2.0	2.1	1.7	2.0	.7	.1	.1								101	101	79	31			
70 / 71		.8	1.8	1.2	3.1	1.5	1.0	.2		.1								88	88	105	55			
70 / 69	.1	1.5	2.5	1.0	1.4	1.5	1.2	.1										86	86	114	87			
60 / 67		1.3	1.7	.2	1.2	1.2	.7											57	57	120	97			
66 / 65		1.1	.6	.4	.1	.6	1.3											34	34	111	86			
64 / 63		1.4	.1	.1	.1	.3												19	19	97	96			
60 / 61		.3	.1	.1	.3													8	8	82	87			
50 / 59		.3																3	3	53	79			
56 / 57																				24	48			
50 / 55																				11	50			
44 / 53																				12	44			
42 / 51																					31			
50 / 42																					31			
40 / 47																					16			
40 / 45																					9			
44 / 43																					7			
42 / 41																					3			
30 / 37																					1			
TOTAL	.2	8.8	13.8	15.0	20.1	17.9	13.9	6.6	2.0	1.2	.2							904	904	904				
																		904	904					

Element (X)	Z _x ²	Z _x	X	X ²	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	4224684	60392	66.8	14.512	904			86.4	62.7	20.3	.3	93
Dry Bulb	5132915	67915	75.1	5.826	904							93
Wet Bulb	4139649	60963	67.4	5.617	904			52.9	18.0	.5		93
Dew Point	3613985	56749	62.8	7.555	904			32.5	7.9			93

PSYCHROMETRIC SUMMARY

SEP
MONTH

PAGE 1 0000-0200
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
76 / 75			.5															4	4																
74 / 73	1.2	1.2	.7															26	26	16	16														
72 / 71		2.0	.9	.4														28	28	10	9														
70 / 69	.8	1.1	3.3	.7														50	50	30	21														
68 / 67	.2	3.5	2.9	.6	.1													63	63	34	23														
66 / 65	.2	4.8	2.7	.2	.2	.1	.1											72	72	74	56														
64 / 63	.4	3.6	1.8	1.1	.1	.2												61	61	59	55														
62 / 61	.4	4.0	2.2	1.4		.1												69	69	62	57														
60 / 59	.6	3.9	3.5	.7	.5													78	78	65	55														
58 / 57	.2	3.3	3.3	.4	.2													63	63	65	68														
56 / 55		5.1	4.1	.8	.4													88	88	64	39														
54 / 53	.2	3.4	2.7	.9	.6													67	67	92	66														
52 / 51	.1	3.5	1.9	.6														52	52	63	82														
50 / 49	.2	1.8	2.7	.6	.2													47	47	60	80														
48 / 47	.4	1.4	.7	.2														23	23	51	44														
46 / 45		2.1	1.4		.1													31	31	35	39														
44 / 43		.9	.6															13	13	34	36														
42 / 41		.6	.1	.2														8	8	17	42														
40 / 39		.5																4	4	10	25														
38 / 37		.1																1	1	6	17														
36 / 35		.2																2	2	3	11														
34 / 33																					6														
32 / 30																					3														
TOTAL	4.2	47.5	35.6	8.8	2.5	.5	.1											850	850		850														

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

725768
STATION

OTIS AFB MA

68-70, 73, 75-80

SEP
MONTH

PAGE 1

0300-0500
HOURS (L, S, Y.)

[illegible]

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

SEP

MONTH

0600-0800

HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
79				.1														1	1																
77		.1	.2	.4														6	6																
75	.1	1.2	.1	.5	.1													17	17	7	2														
73	.1	.8	.8	.4	.1													19	19	13	13														
71	.1	2.0	1.4	.1		.1												32	32	15	10														
69	.5	3.1	1.9	.1	.2	.2	.1											52	52	38	29														
67	.1	3.1	3.9	1.7	.5	.2												80	80	39	33														
65	.5	3.8	2.0	2.1	.9	.5												83	83	64	49														
63	.2	2.7	2.0	.9	.2	.2												54	54	58	56														
61	.5	4.5	3.2	1.4	.8													88	88	63	49														
59	.4	4.7	4.3	2.1	.9	.2												107	107	90	55														
57		3.2	3.4	1.7	.7													76	76	90	78														
55		2.4	2.7	1.7	.7													63	63	76	70														
53		1.8	2.2	1.1														43	43	62	59														
51	.1	2.6	2.1	.4	.1													45	45	63	77														
49		1.2	1.4	.4	.4													28	28	64	58														
47		1.2	1.4	.1														23	23	41	58														
45		.7	.6	.1														12	12	22	43														
43		.4	.2															5	5	19	38														
41		.6	.5															9	9	12	27														
39		.2	.2															4	4	7	22														
37																				3	9														
35																				1	6														
33																					3														
31																					2														
29																					1														
TOTAL	2.640	0.134	7.15	1.5	5.8	1.5	.1											847	847	847	847														

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5733436	69108	81.6	10.586	847	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	3174925	51463	60.8	7.538	847			22.0	4.6	.1		90
Wet Bulb	2857304	48754	57.6	7.763	847			11.9	2.1			90
Dew Point	2626135	46569	55.0	8.814	847		.3	9.2	1.6			90

USAFETAC
FORM
MAY 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

SEP
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

SEP
MONTH

PAGE 1 1500-1700
HOURS L. S. T.

[illegible]

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

SEP
MONTH

1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
71 / 77		.1	.5	.4														8	8																
76 / 75	.2	.9	.2	.4	.4		.1											19	19	3	2														
74 / 73	.7	.7	.9	.5	.4													27	27	23	19														
71 / 71		1.3	1.9	.2	.4	.1												33	33	14	8														
71 / 69		1.5	2.2	.6	1.3	.1	.1											50	50	23	20														
67 / 67	.2	3.4	4.9	2.5	.6	.5												103	103	49	27														
66 / 65		3.4	2.7	2.7	.8	.1	.1											84	84	56	44														
64 / 63		3.5	2.6	2.7	1.8	.1	.2	.1										94	94	78	57														
61 / 61	.2	1.8	3.5	4.2	1.2	.5												97	97	76	56														
59 / 59		2.2	3.9	2.6	.8	.5												85	85	72	69														
57 / 57	.1	4.4	3.6	2.3	.8	.1												98	98	103	49														
55 / 55	.1	1.8	1.4	1.2	1.1	.1												48	48	111	100														
53 / 53		1.3	2.2	1.5	.5	.2												49	49	75	91														
51 / 51		.9	1.8	.8														30	30	53	81														
50 / 47		.2	1.2	.5														16	16	51	49														
47 / 47		.7	.7															12	12	34	61														
45 / 45			.1															1	1	26	35														
44 / 43		.1																1	1	7	28														
42 / 41																				1	25														
40 / 39																					29														
37 / 37																					1														
35 / 35																					1														
33 / 33																					3														
TOTAL	1.6	28.3	34.3	22.9	9.8	2.3	.6	.1										855	855	855	855														

Element (X)	Σ X²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature								
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total		
Rel. Hum.	5358356	67000	78.4	11.249	855									
Dry Bulb	3352494	53250	62.3	6.497	855			25.3	5.7					90
Wet Bulb	2953148	49904	58.4	6.877	855			11.8	2.7					90
Dew Point	2670088	47264	55.3	8.195	855			8.0	2.2					90

PSYCHROMETRIC SUMMARY

SFB

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

_____ **ALL** _____
HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

SEP
MONTH

ALL
HOURS U. S. T.

[illegible]

USAFETAC
FORM
AUG 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

725069 STATION OTIS AFB MA STATION NAME 68-70, 73, 75-80 YEARS OCT MONTH
PAGE 1 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
6 / 67		.1																1	1																
6 / 65		1.5	1.4															27	27	6	2														
14 / 63	.1	3.2	.8	.2														40	40	23	13														
62 / 61	.2	4.2	1.6	.1														57	57	44	39														
1 / 59	.4	5.2	3.2	.8	.3													92	92	54	44														
5 / 57	.3	4.8	1.5	.3	.1		.1											66	67	69	42														
51 / 55		2.4	1.3	.6	.3	.2												45	48	76	63														
4 / 53	.1	3.2	1.4	1.3	.6	.5												67	67	38	64														
12 / 51		4.5	4.4	1.8	1.2													111	111	51	47														
5 / 49		1.9	2.2	1.5	.8													59	59	67	53														
4 / 47		1.9	.6	2.1	1.0	.1	.1											54	54	64	50														
40 / 45		1.9	2.5	1.4	.1													55	55	80	39														
4 / 43		1.9	2.1	1.9	.3													58	58	37	45														
42 / 41		2.3	1.7	1.5	.3													54	54	69	42														
4 / 39		1.4	3.2	.3	.1													47	47	60	44														
3 / 37		1.3	1.6	.5	.1													30	30	58	57														
3 / 35		1.1	2.2	.1														31	31	44	54														
35 / 33		.5	.5	.5														15	15	37	44														
2 / 31		.2	.1	.3														6	6	25	62														
3 / 29	.3	.1	.2															6	6	9	39														
2 / 27		.1	.2															3	3	10	30														
20 / 25			.1															1	1	1	21														
20 / 23																				2	9														
2 / 21																				1	4														
20 / 19																					10														
1 / 17																					4														
16 / 15																					1														
1 / 11																					2														
1 / 9																					1														
TOTAL	1.543	7.33	0.15	5.5	5.3	.9	.2											925	929	925	925														

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5842738	72496	78.4	13.197	925	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2447563	46989	50.6	8.738	929		1.6	.1				93
Wet Bulb	2159576	43854	47.4	9.332	925		4.8					93
Dew Point	1897253	40553	43.8	11.366	925		18.4					93

PSYCHROMETRIC SUMMARY

OCT
MONTH

0300-0500
HOURS, S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
6 / 67		.3	.2															5	5																
6 / 65		1.8	.3															20	20	5	2														
4 / 63		2.5	.5	.2														30	30	24	9														
2 / 61	.4	3.7	1.4															51	51	30	33														
1 / 59	.8	4.6	2.4	.1	.2	.1												76	76	54	43														
1 / 57	.3	5.3	2.4	.5														79	79	72	46														
5 / 55	.1	3.5	1.5	.5	.1	.3												56	56	70	64														
4 / 53	.2	3.8	2.4	.6	.2	.2												69	72	52	71														
2 / 51	.1	3.7	3.0	2.2	.3	.2												88	88	50	35														
5 / 49		2.3	2.5	2.3	.2													67	67	65	59														
4 / 47		2.8	2.0	1.7	.5													66	66	59	47														
4 / 45		1.4	1.3	1.7	.4													45	45	73	39														
4 / 43		1.7	1.2	.6	.2													35	35	48	48														
2 / 41	.1	1.5	3.3	1.2														57	57	56	45														
4 / 39		2.2	3.8	1.2														66	66	50	53														
3 / 37		2.2	1.9	.4														42	42	68	40														
2 / 35		1.5	1.7	.1														31	31	56	50														
3 / 33		.5	1.0	.2														16	16	35	52														
2 / 31		.9	.3	.2														13	13	27	71														
1 / 29	.1	.2	.6	.1														10	10	15	35														
2 / 27	.1	.1																2	2	6	34														
2 / 25			.3															3	3	9	17														
2 / 23																					15														
2 / 21																				3															
1 / 19																					10														
1 / 17																					1														
1 / 15																					5														
1 / 11																					3														
TOTAL	2.3	46.4	34.2	14.0	2.3	.9													927	930	927														

PSYCHROMETRIC SUMMARY

QCT
MONTH

2900-1100
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	D.B. - W.B.	Dry Bulb	Wet Bulb
TOTAL	.214.213.322.725.313.4 4.1 1.4 .3 .1																															930		930	

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	4208552	60766	65.3	16.0	930							93
Dry Bulb	3128557	53433	57.5	7.9	930		.3	12.8	1.7			93
Wet Bulb	2531072	47872	51.5	8.4	930		1.3	2.0				93
Dew Point	2028985	42099	45.3	11.5	930		13.4	.7				93

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

OCT
MONTH

HOURS 11:50 T

[illegible]

PSYCHROMETRIC SUMMARY

725068
STATION

OLIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

QCI
MONTH

PAGE 2

1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

Q. C. I.
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
AUG 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

OCT
MONTH

1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B.-W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point															
7 / 69	.1	.1	.6	.4														12	12	1	1														
6 / 67		.4	.6	.1	.2													13	13	3	2														
6 / 65	.1	3.4	.5	.2	.1	.1												42	42	14	6														
4 / 63	.3	2.9	1.4	1.4		.2												58	58	47	24														
1 / 61		2.7	1.7	.8	.5													53	53	35	38														
1 / 59	.3	2.9	3.0	.6	.4		.3	.1										72	72	52	40														
5 / 57	.2	3.4	3.0	1.9	.9	.1	.2											91	91	66	41														
5 / 55		2.2	3.3	1.4	.4		.1											69	69	58	60														
4 / 53		2.6	3.3	2.5	.9	.5												91	91	70	61														
2 / 51		3.8	2.9	2.6	.8	1.4												106	106	74	39														
5 / 49		1.3	1.8	1.9	1.8	.5												69	69	87	71														
4 / 47		1.4	1.4	2.5	1.4	.3												65	65	67	84														
4 / 45		1.1	1.3	1.0	.8													38	38	60	33														
4 / 43		.8	1.8	1.1	.5													39	39	57	35														
2 / 41	.1	.4	1.5	1.4	.5													37	37	77	59														
4 / 39		.4	1.6	1.1	.1													30	30	43	58														
3 / 37		.8	.8	.8														21	21	32	43														
3 / 35	.1	.5	.5	.3														14	14	41	34														
3 / 33		.1	.3															4	4	27	33														
2 / 31		.2	.1	.2														5	5	7	64														
1 / 29			.1															1	1	7	28														
2 / 27																				2	28														
2 / 25																				2	17														
2 / 23																				1	9														
2 / 21																					12														
2 / 19																					5														
1 / 17																					2														
1 / 15																					2														
1 / 13																					1														
TOTAL	1.3	31.4	31.4	22.6	9.4	3.2	.6	.1										930	930	930															
																		930	930	930															

USAFETAC
FORM
JUL 84
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

OCT
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

MONTH

ALL
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
72 / 81						.0												2	2																
71 / 79						.0		.0										3	3																
71 / 77					.0	.0	.0		.0									6	6																
76 / 75				.0	.0	.1	.1	.0										18	18																
74 / 73			.0	.1	.1	.1	.0	.0	.0									32	32																
72 / 71		.0	.2	.4	.3	.2	.1		.0									87	87	4															
71 / 69	.0	.1	.7	.5	.4	.1	.0	.2	.0	.1								161	161	13	3														
68 / 67	.0	.4	.8	.4	.4	.2	.2	.2	.1	.0								200	200	66	17														
66 / 65	.1	1.8	.9	.8	.5	.4	.1	.1	.0	.0								344	344	156	76														
64 / 63	.1	2.0	1.1	.6	.7	.3	.2	.1	.0									397	397	297	151														
62 / 61	.2	2.9	1.4	.9	.7	.2	.3	.2	.0									499	499	332	302														
61 / 59	.3	3.6	2.6	1.1	.7	.6	.4	.1										694	695	448	323														
61 / 57	.2	3.4	2.0	1.1	.9	.5	.4	.1										641	642	525	391														
58 / 55	.0	1.9	1.8	1.4	1.1	.9	.4	.1										559	563	607	480														
54 / 53	.1	2.4	2.0	1.4	1.3	.8	.1											608	612	455	436														
52 / 51	.0	2.7	2.5	1.7	1.5	.9	.2											706	706	510	406														
51 / 49	.0	1.4	1.8	1.7	1.2	.6	.1											510	510	605	458														
48 / 47		1.2	1.3	1.8	1.0	.4	.0											420	420	563	452														
48 / 45		1.1	1.3	1.2	.7	.1												325	325	553	344														
44 / 43		.9	1.2	1.2	.4	.0												268	268	458	348														
42 / 41	.0	.9	1.4	.9	.3	.1												261	261	465	386														
41 / 39		.9	1.4	.6	.1													231	231	373	382														
37 / 37	.0	.7	1.0	.4	.1	.0												163	163	332	408														
36 / 35	.0	.7	.9	.2	.0													136	136	234	433														
34 / 33		.3	.3	.2	.0													61	61	189	316														
32 / 31	.0	.3	.2	.1														45	45	106	429														
30 / 29	.1	.1	.2	.1														33	33	65	263														
28 / 27	.0	.1	.0	.0														11	11	33	237														
26 / 25		.1																5	5	26	138														
24 / 23																				6	78														
22 / 21																				5	55														
20 / 19																					56														
18 / 17																					16														
16 / 15																					20														
Element (X)	Σ X ²	Σ X	Σ	Σ _n	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

QCI
MONTH

ALL
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JAN 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

NOV
MONTH

0000-0200
HOURS S. T.

[illegible]

PSYCHROMETRIC SUMMARY

NCV

YEARS

MONTH

0300-0500

HOURS 5-7

[illegible]

PSYCHROMETRIC SUMMARY

725268
STATION

OLIS AFB MA

STATION NAME

68-70, 73, 75-83

YEARS

NOY

MONTH

PAGE 1

0600-0800

HOURS : S, T,

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
67			.2															2	2																
66			.3	.1														4	4																
65		.5	.1	.1														6	6	10	4														
64	.2	.3	.5	.1														10	10	5	8														
63	.5	.6	.6			.1												15	15	6	8														
62	.3	1.2	.7	.3		.2												25	25	15	6														
61	1.0	.9	1.4		.1													30	30	29	25														
60	.1	2.1	1.5	.3	.1													37	37	20	19														
59	1.0	3.4	1.9	.2	.2													60	60	47	38														
58	.3	4.5	1.6	.5	.2													67	67	51	37														
57	.2	4.1	1.5	1.2	.2													64	64	63	46														
56	.1	4.2	1.1	.6														53	53	59	52														
55	.6	4.5	1.8	1.7	.1													77	77	61	58														
54	.3	2.3	1.8	2.7	.5													67	67	64	44														
53	.6	2.4	1.9	1.9	.3													63	63	49	48														
52	.1	1.5	2.1	1.9														50	50	49	44														
51	.1	2.6	3.2	.9														60	60	63	32														
50		2.4	3.9	1.5														69	69	67	43														
49		1.9	1.9	.2														36	37	59	43														
48		.9	2.9	.7														40	40	56	52														
47		1.4	1.0	.2														23	23	38	48														
46		.3	.8	.1														11	11	34	59														
45		.8	.5															11	11	20	28														
44		.5	.1															5	5	12	31														
43		.2																		7	45														
42																		2	2	1	23														
41																				2	12														
40																					12														
39																					9														
38																					5														
37																					4														
36																					4														
TOTAL	5.443	3.333	0.15	1	1.8	.3												887	888	887	887														

Element (X)	Z _{x'}	Z _x	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5494068	68612	77.4	14.518	887	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1687000	37812	42.6	9.313	888		13.1	.2				90
Wet Bulb	1493251	35352	39.9	9.753	887		23.2					90
Dew Point	1263523	31663	35.7	12.264	887		38.0					90

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
SER. 44

PSYCHROMETRIC SUMMARY

NOV
MONTH

0900-1100
HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

NOV
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
20-44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

1200-1400

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

NOV
MONTH

1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
3																						1		
1																						3		
TOTAL	1.225	0.020	0.522	0.820	2.8	0.0	1.7	.3		.2									891		891			
																			891		891			

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

725' 68"
STATION

OTIS AFB MA

68-70, 73, 75-80

NOV
MONTH

PAGE 1

1800-2000
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,75-80 NOV
STATION STATION NAME YEARS MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
67/65	.1	.4																5	5	1	1
64/63	.1	.3																4	4	5	3
62/61	.1	.6	.2			.1												9	9	5	3
61/59	.1	1.7	.1			.1	.1											19	19	11	9
57/57	.3	2.7	.4	.3														34	34	21	18
57/55	.6	2.8	.8	.3														40	40	30	28
47/53	.4	2.9	.8	.1	.2													40	40	34	31
52/51	.2	3.1	1.7	.3	.3	.1												52	52	45	29
51/49	.4	4.0	2.9	.4	.2	.1												73	73	39	33
47/47	.1	5.1	1.6	.8	.3													70	70	68	48
47/45	.9	3.4	2.4	1.3	.8													78	78	75	65
44/43		2.5	1.9	1.7	1.1													64	64	51	46
42/41	.4	.8	2.4	1.0														41	41	55	45
41/39	.2	2.0	3.8	2.5	.4													80	80	43	33
37/37		1.5	2.6	2.5	.3													61	61	64	38
37/35		1.1	3.8	2.6	.1													68	68	62	35
34/33		1.0	2.1	2.2	.2													50	50	61	33
32/31		1.6	1.8	1.2														41	41	66	56
31/29	.1	1.3	1.5	.2														28	28	59	50
27/27	.2	.8	.3	.1														13	13	41	54
27/25		.3	1.1	.2														15	15	32	52
24/23		.1	.2															3	3	6	35
22/21		.2																2	2	13	31
21/19		.1																1	1	4	47
17/17																					24
17/15																					11
14/13																					11
12/11																					14
11/9																					3
7/7																					2
1/-1																					3
TOTAL	4.540	4.32	4.18	0	4.2	.4	.1											891	891		891
																		891		891	
Element (X)	Σx²	Σx	Σ	σ _x	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.	5296737	67237	75.515	8.825	891	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	1754911	38741	43.5	8.896	891		10.4					90									
Wet Bulb	1538734	36028	40.4	9.594	891		22.3					90									
Dew Point	1284295	31925	35.812	5.60	891	.3	39.7					90									

REMOVED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC FORM 44

PSYCHROMETRIC SUMMARY

NOV
MONTH

ALL

HOURS 1, 5, 7, 8

[illegible]

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

NOV
MONTH

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
/ 3																					7		
/ 1																					10		
/ -1																					5		
TOTAL	3.8	34.6	27.1	19.5	10.5	3.5	.2	.1	.0	.1									6950		6947		
																			6947		6947		

USAFETAC
FORM
JAN 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

0000-0200

[illegible]

PSYCHROMETRIC SUMMARY

DEC
MONTH

0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725768
STATION

OTIS AFB MA

STATION NAME

66-70,73,75-80

YEARS

DEC

MONTH

PAGE 1

0300-0500

HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
59 / 59	.1	.1	.1															3	3	1	1			
58 / 57			.1															1	1	1	1			
57 / 55	.3	.3	.1															5	5	3	2			
56 / 53	.4	.9	.1															11	11	7	6			
55 / 51	.1	1.6																14	14	10	9			
54 / 49	.3	1.0	.6	.1														16	18	17	13			
53 / 47		1.6	.9	.3														22	25	12	11			
52 / 45	.1	1.1	.6		.1													16	17	13	15			
51 / 43	.1	2.3	1.4	.4														33	35	25	11			
50 / 41	.1	2.3	2.4	.5														42	42	22	17			
49 / 37	.4	1.8	2.1	1.6														47	50	36	26			
48 / 37	.4	2.5	1.6	.9	.1													44	45	37	22			
47 / 35	.4	3.5	1.8	1.0														53	53	60	25			
46 / 33	.5	3.5	2.0	.5														52	52	53	46			
45 / 31	1.4	2.4	4.1	1.1	.4													75	75	54	57			
44 / 29		2.1	1.9	.8	.1													39	39	49	38			
43 / 27	.1	2.5	1.3	.5														35	35	50	43			
42 / 25		2.6	1.8	1.0														43	43	47	25			
41 / 23	.3	3.0	1.4	.1														38	38	39	24			
40 / 21	.1	3.4	2.0															44	44	42	32			
39 / 19	.1	2.9	3.4															51	51	56	51			
38 / 17		1.9	1.5															27	27	39	28			
37 / 15	.1	2.1	1.5															30	33	34	46			
36 / 13		1.3	1.0															18	18	27	28			
35 / 11	.3	1.4	.4															16	16	25	35			
34 / 9		.4																3	3	15	34			
33 / 7		1.1	.6															14	14	4	20			
32 / 5		.1																1	1	11	36			
31 / 3																				4	20			
30 / 1		.3																2	2		19			
29 / -1	.1	.4																4	4	5	14			
28 / -3																				1	13			
27 / -5																					8			
26 / -7																					6			
Element (X)	Σ x ²		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																							Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

DEC
MONTH

0300-0500

HOURS L. S. T.

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

DEC

MONTH

0600-0800

HOURS 12. 5. 7.

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC FORM RA 64

PSYCHROMETRIC SUMMARY

DEC
MONTH

0900-1100

HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
4 / 63			.2															2	2																
4 / 61			.3															3	3																
4 / 59	.2	.1																3	3	6	2														
4 / 57	.3	.3	.1	.1														8	8	6	5														
5 / 55	.6	.6	.6	.6														20	20	8	12														
4 / 53	.1	1.2	.7	.2				.1										21	22	12	5														
2 / 51	.1	1.2	.2	.2	.1			.1										18	20	17	11														
5 / 49	.2	1.5	.8	.6	.4	.1												33	34	26	21														
4 / 47	.1	1.5	.9	.3	.3	.1	.2											32	35	20	18														
4 / 45	.1	2.3	1.2	.7	.9		.1											48	52	26	22														
4 / 43		1.5	1.2	1.4	.4	.2												44	44	38	19														
2 / 41	.1	1.8	1.2	1.9	1.1													55	55	28	24														
4 / 39	.7	2.0	1.7	2.1	.7													64	67	51	37														
2 / 37	.6	2.1	2.3	1.8	.7													67	68	54	28														
2 / 35	.4	1.5	2.4	2.4	.1													63	63	63	19														
3 / 33	.3	2.5	2.3	2.8	.6													77	77	71	45														
2 / 31	.2	2.4	2.3	1.9	.8													69	69	67	48														
2 / 29	.2	1.0	3.2	1.4	.6													58	58	75	50														
2 / 27	.1	1.1	2.0	1.2	.1													41	41	51	49														
2 / 25		1.3	2.1	1.1	.2													43	43	64	53														
2 / 23		.6	1.7	1.2														31	32	52	34														
2 / 21		.8	2.2	.4														31	31	38	34														
1 / 19		.9	1.8	.2														26	26	34	58														
1 / 17		.2	1.1	.1														13	14	39	48														
1 / 15		.3	.9															11	11	19	40														
1 / 13		.1	.9															9	9	9	30														
1 / 11		.1	.4															5	5	8	23														
1 / 9		.1																1	1	11	25														
1 / 7		.3																3	3	4	22														
1 / 5		.2																2	2	2	29														
1 / 3		.4																4	4	2	23														
1 / 1		.1																1	1	4	20														
1 / -1																				1	8														
1 / -3																					4														
Element (X)	Σ X ²		Σ X		X		σ _x		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total												
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

DEC
MONTH

0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

DEC
MONTH

1200-1400
HOURS (L.S.T.)

[illegible]

PSYCHROMETRIC SUMMARY

725068
STATION

CLIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

DEC
MONTH

MONTH

PAGE 2

1200-1400

HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

DEC
MONTH

1500-1700

HOURS (L, S, T,)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
2 / 61	.2		.1															3	3	2	2											
2 / 59	.1																	1	1	1	1											
5 / 57	.1	.3																4	4	2	1											
5 / 55	.2	.8	.3	.1														13	13	5	6											
4 / 53	.2	1.2	1.0	.1														23	23	13	9											
2 / 51	.2	1.8	1.4	.3		.1		.1										36	38	15	13											
5 / 49	.1	.9	.9	.4	.2			.1										24	28	31	16											
4 / 47		2.2	1.1	1.2	.3		.2											44	45	24	22											
4 / 45	.3	1.9	1.5	1.0	.8	.3												53	55	31	31											
4 / 43	.1	.7	1.8	1.3	.9	.2												45	45	33	17											
2 / 41		1.3	1.4	2.3	1.0	.3												58	59	33	21											
4 / 39	.7	1.7	1.9	2.1	1.8	.1												74	75	51	24											
3 / 37	.4	1.9	2.4	2.2	1.0	.1												73	73	57	28											
3 / 35	.3	1.5	2.3	2.1	1.5													71	72	74	43											
3 / 33	.2	2.1	1.4	2.4	1.7													71	72	72	33											
2 / 31		2.0	1.8	3.5	.4													70	70	65	48											
2 / 29		.7	2.4	3.0	.2													57	57	65	51											
2 / 27	.1	1.3	1.4	2.9														52	52	64	53											
2 / 25		1.0	1.9	2.3														47	47	78	30											
2 / 23		.8	.9	1.2														26	26	59	37											
2 / 21		.6	.8	.9														20	20	43	38											
2 / 19			1.4	.4														17	17	31	49											
1 / 17			.3	.9														11	11	12	51											
1 / 15			.2															2	2	21	47											
1 / 13			.1															1	2	9	38											
1 / 11			.3															3	3	4	29											
1 / 9		.1	.3															4	4	2	28											
1 / 7			.1															1	1	4	32											
1 / 5																				3	21											
1 / 3		.2																2	2		18											
1 / 1		.1																1	1	2	12											
1 / -1																				1	11											
1 / -3																					10											
1 / -5																					7											
Element (X)	Σ X²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature																					
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total									
Dry Bulb																																
Wet Bulb																																
Dew Point																																

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

DEC

MONTN

1500-1700
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
-6/-7																						4
-5/-9																						6
-1/-11																						3
-1/-13																						3
-14/-15																						3
-14/-17																						4
-1/-19																						1
-1/-21																						3
-2/-23																						1
-24/-25																						2
TOTAL	3.4	24.7	29.7	30.8	9.8	1.2	.2	.2											907	921		907

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3974916	57140	63.0	20.349	907	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1320911	33719	36.6	9.692	921		31.8					93
Wet Bulb	1053838	29524	32.6	10.120	907	.1	47.5					93
Dew Point	739921	21795	24.0	15.447	907	5.9	65.6					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

725068
STATION

OTIS AFB MA

68-70, 73, 75-80

DEC

PAGE 1

1800-2000

HOURS (L, S, T, I)

[illegible]

PSYCHROMETRIC SUMMARY

DEC
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL			
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
- / -9																						6		
- / -11																						3		
- / -15																						4		
- / -17																						3		
- / -19																						5		
- / -21																						3		
TOTAL	5.633	6.41	9.16	6	2.1	.1													916		904			

Element (X)	Σ x ²	Σ x	x̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4491517	61401	67.918	8.856	904	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1153681	31155	34.010	1.138	916		42.7					93
Wet Bulb	961828	27888	30.810	6.02	904	.3	54.5					93
Dew Point	718411	21401	23.715	3.14	904	5.8	66.8					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,75-80 DEFC
STATION STATION NAME YEARS MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

USAFETAC FORM 0-26-3 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725768 OTIS AFB MA 66-70, 73, 75-80 YEARS DEC MONTH

PAGE 2 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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PSYCHROMETRIC SUMMARY

ALL
MONTH

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.W.B.	Dry Bulb	Wet Bulb	Dew Point												
3 / 29	.1	.7	1.1	.6	.1													2222	2229	2899	2726												
2 / 27	.0	.7	.8	.6	.0													1800	1802	2406	2697												
2 / 25	.0	.5	.8	.4	.0													1518	1519	2389	2405												
2 / 23	.0	.4	.6	.2														1112	1113	1917	1674												
2 / 21	.0	.5	.7	.1														1172	1174	1553	1809												
2 / 19	.0	.5	.8	.1														1216	1220	1471	2239												
1 / 17	.0	.3	.5	.0														767	770	1154	1662												
1 / 15	.0	.3	.4	.0														612	619	941	1608												
1 / 13	.0	.2	.2															407	408	749	1386												
1 / 11	.0	.3	.2															408	408	488	1286												
1 / 9	.0	.2	.1															250	251	421	1145												
1 / 7	.0	.2	.1															220	220	317	1055												
1 / 5		.2																134	134	220	874												
1 / 3	.0	.1																91	91	163	941												
1 / 1		.1																48	48	86	847												
1 / -1	.0	.0																28	28	55	555												
-1 / -3	.0	.0																24	24	31	396												
-1 / -5	.0	.0																15	15	15	301												
-1 / -7																				5	218												
-1 / -9	.0																	2	2	2	155												
-1 / -11	.0																	1	1	1	144												
-1 / -13	.0																	1	1	1	99												
-1 / -15																					140												
-1 / -17																					118												
-1 / -19																					106												
-2 / -21																					47												
-2 / -23																					20												
-2 / -25																					10												
-2 / -27																					18												
-2 / -29																					1												
TOTAL	2.831	1.828	2.16.8	9.3	5.3	3.2	1.7	.6	.2	.1	.0	.0						85990	86346	85990													
																					85990	85990											
Element (X)	Σx²		Σx		Σ	Σ	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature											Total												
Rel Hum.	455843033		6066051		70.5	18.020	85990	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			Total																	
Dry Bulb	241341955		4317617		50.0	17.167	86346	7.1	1526.0	1742.7	780.7	182.7	.8			8760																	
Wet Bulb	202982019		3932639		45.7	16.400	85990	11.2	2062.6	900.2	219.8	3.8				8760																	
Dew Point	171231430		3448932		40.1	19.560	85990	236.1	3048.7	587.4	115.5	.4				8760																	

CENTRAL CLIMATOLOGY BRANCH
 AFCECTAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

168 OTIS AFB MA

68-70,73,75-81

STATION

STATION NAME

YEARS

HRS : LST :		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02	MEAN	25.8	27.2	34.9	42.4	50.7	59.5	66.4	66.5	59.0	50.6	42.9	31.7	46.6
	S.D.	11.35	10.09	7.59	6.89	6.26	5.62	5.13	5.87	7.91	8.73	9.22	10.92	16.17
	TOTAL OBS	912	848	929	900	930	894	929	891	850	929	807	819	10638
0-05	MEAN	24.9	26.1	34.1	41.5	49.9	58.8	65.6	65.5	57.9	49.8	42.3	30.9	45.8
	S.D.	11.92	10.31	8.15	7.28	6.60	5.63	5.42	6.20	8.14	9.02	9.40	11.37	16.35
	TOTAL OBS	912	845	929	900	930	896	928	897	848	930	807	814	10636
0-10	MEAN	24.7	26.2	35.0	44.6	54.1	63.0	69.1	68.7	60.8	51.3	42.6	31.5	47.7
	S.D.	12.11	10.18	8.27	7.19	6.37	5.44	5.03	5.77	7.53	8.76	9.31	11.65	17.45
	TOTAL OBS	924	846	930	900	930	900	930	902	847	928	888	913	10638
-01	MEAN	28.7	31.2	40.3	50.8	59.6	68.4	74.6	74.5	67.1	57.5	47.4	35.6	53.0
	S.D.	10.89	9.41	8.42	8.03	7.17	6.45	5.59	5.95	6.62	7.94	8.41	10.73	17.76
	TOTAL OBS	930	847	929	900	929	900	930	899	844	930	888	923	10649
1-14	MEAN	31.8	34.2	42.9	53.0	61.9	70.5	76.9	76.8	69.3	59.6	49.7	38.0	55.4
	S.D.	9.66	8.79	8.62	8.42	7.48	6.71	5.86	6.21	6.95	8.03	8.15	9.96	17.47
	TOTAL OBS	924	845	928	899	929	899	930	902	847	929	888	921	10641
1-17	MEAN	30.7	33.8	41.9	51.6	60.2	68.7	75.5	75.1	67.3	57.4	47.6	36.6	53.9
	S.D.	9.16	8.31	7.98	7.61	7.03	6.43	5.48	5.82	6.40	7.61	7.85	9.69	17.01
	TOTAL OBS	930	848	930	899	930	899	929	904	853	930	891	921	10664
1-20	MEAN	28.1	30.6	38.0	46.6	55.2	64.1	70.7	70.3	62.3	53.0	44.6	34.0	49.8
	S.D.	9.94	8.44	6.90	6.37	6.03	5.59	4.69	5.33	6.49	8.08	8.28	10.13	16.26
	TOTAL OBS	925	842	929	899	925	899	927	904	855	930	890	916	10641
1-23	MEAN	26.4	28.8	36.1	43.7	52.3	61.0	67.7	67.6	60.2	51.2	43.5	32.8	47.7
	S.D.	10.72	9.23	7.10	6.44	5.78	5.31	4.81	5.64	7.22	8.67	8.89	10.47	15.98
	TOTAL OBS	924	846	929	898	926	898	928	902	857	930	891	910	10639
ALL HOURS	MEAN	27.7	29.8	37.9	46.8	55.5	64.3	70.8	70.6	63.0	53.8	45.1	34.0	50.0
	S.D.	11.04	9.84	8.52	8.41	7.88	7.25	6.65	7.10	8.23	9.08	9.07	10.89	17.16
	TOTAL OBS	7381	6767	7433	7195	7429	7185	7431	7201	6801	7436	6950	7137	86346

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

721768 OTIS AFB MA

68-70,73,75-81

STATION		STATION NAME												YEARS											
HRS (EST)		JAN.	FEB.	MAR.	APR.	MAY.	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL											
0-02	MEAN	23.4	24.6	32.0	39.2	47.8	57.1	63.6	63.7	56.3	47.4	40.2	29.0	43.9											
	S D	11.336	10.238	8.078	7.237	6.775	5.842	5.928	6.347	8.177	9.332	9.675	11.108	16.331											
	TOTAL OBS	917	848	905	900	930	894	929	889	850	925	806	805	10593											
0-05	MEAN	22.7	23.7	31.4	38.5	47.2	56.6	62.9	62.9	55.5	46.9	39.7	28.3	43.3											
	S D	11.843	10.322	8.557	7.560	7.040	5.890	6.204	6.632	8.523	9.513	9.917	11.391	16.487											
	TOTAL OBS	911	845	906	899	930	896	928	894	845	927	807	799	10587											
0-08	MEAN	22.5	23.8	32.0	40.5	49.8	59.2	65.0	65.0	57.6	48.3	39.9	28.9	44.4											
	S D	12.032	10.184	8.629	7.320	6.466	5.383	5.472	6.072	7.763	9.240	9.753	11.664	17.078											
	TOTAL OBS	924	845	906	900	930	898	930	900	847	925	887	895	10787											
-11	MEAN	25.6	27.5	35.3	43.7	52.5	61.7	67.2	67.2	60.4	51.5	43.0	32.0	47.3											
	S D	10.792	9.378	8.341	7.473	6.661	5.835	5.660	5.803	6.863	8.483	9.100	10.928	16.533											
	TOTAL OBS	930	847	901	899	929	900	929	899	843	930	887	906	10600											
1-14	MEAN	27.7	29.5	36.8	44.9	53.6	62.6	68.1	68.0	61.2	52.4	44.1	33.4	48.6											
	S D	9.572	8.610	8.060	7.317	6.784	5.911	5.746	5.770	6.847	8.300	8.719	10.211	16.023											
	TOTAL OBS	924	845	901	898	928	899	930	902	847	929	888	908	10799											
1-17	MEAN	27.1	29.3	36.3	44.2	52.7	61.7	67.4	67.4	60.4	51.4	42.8	32.6	47.8											
	S D	9.231	8.364	7.686	6.841	6.551	5.749	5.501	5.617	6.608	8.252	8.636	10.120	15.858											
	TOTAL OBS	928	847	906	898	930	899	928	904	853	930	891	907	10821											
1-20	MEAN	25.2	27.3	34.1	41.7	50.4	59.6	65.6	65.7	58.4	49.1	41.0	30.8	45.8											
	S D	10.007	8.792	7.293	6.528	6.194	5.548	5.310	5.586	6.877	8.779	9.064	10.602	15.952											
	TOTAL OBS	925	842	904	899	925	898	926	904	855	930	890	904	10802											
1-23	MEAN	24.2	25.9	32.9	40.2	49.1	58.2	64.4	64.4	57.1	47.8	40.4	30.0	44.6											
	S D	10.768	9.521	7.547	6.797	6.300	5.514	5.682	6.024	7.519	9.220	9.594	10.840	16.076											
	TOTAL OBS	924	846	905	898	926	898	926	902	857	930	891	898	10801											
ALL HOURS	MEAN	24.8	26.4	33.8	41.6	50.4	59.6	65.5	65.6	58.4	49.3	41.4	30.7	45.7											
	S D	10.884	9.696	8.267	7.481	6.959	6.087	5.955	6.238	7.676	9.122	9.458	10.990	16.400											
	TOTAL OBS	7378	6765	7234	7191	7428	7182	7426	7194	6797	7426	6947	7022	85990											

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

725 68 OTIS AFB MA

68-70,73,75-81

STATION		STATION NAME												YEARS												
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL												
0-02	MEAN	15.7	16.8	26.1	34.5	44.7	55.2	61.7	61.8	54.1	43.8	35.9	22.5	39.7												
	S D	15.274	14.656	11.751	9.910	8.571	6.704	7.181	7.263	9.160	11.366	12.641	15.194	19.526												
	TOTAL OBS	912	848	905	900	930	894	929	889	850	925	806	805	10593												
-05	MEAN	15.4	16.2	25.7	34.1	44.2	54.9	61.1	61.2	53.5	43.6	35.6	22.1	39.2												
	S D	15.506	14.375	12.031	10.052	8.770	6.765	7.392	7.478	9.465	11.311	12.469	15.024	19.528												
	TOTAL OBS	911	845	906	899	930	896	928	894	845	927	807	799	10587												
-18	MEAN	15.2	16.2	25.9	34.7	45.4	56.4	62.4	62.5	55.0	44.3	35.7	22.9	39.8												
	S D	15.762	14.266	12.175	10.318	8.868	6.783	6.915	7.217	8.814	11.167	12.264	15.130	19.928												
	TOTAL OBS	924	845	906	900	930	898	930	900	847	925	887	895	10787												
-11	MEAN	16.0	18.2	26.5	34.5	45.4	56.9	62.6	62.8	55.2	45.3	37.0	24.3	40.5												
	S D	15.129	14.037	12.510	11.506	10.083	7.914	7.836	7.665	9.144	11.519	12.691	15.439	19.756												
	TOTAL OBS	930	847	901	899	929	900	929	899	843	930	887	906	10800												
1-14	MEAN	17.4	19.0	26.8	34.5	45.6	57.1	62.7	62.8	55.1	45.2	36.5	24.3	40.7												
	S D	14.469	13.558	12.103	11.386	10.340	8.003	8.097	7.721	9.292	11.607	12.866	15.429	19.598												
	TOTAL OBS	924	845	901	898	928	899	930	902	847	929	888	906	10799												
15-17	MEAN	17.4	18.9	27.0	34.5	45.3	56.7	62.4	62.8	55.1	45.2	36.0	24.0	40.5												
	S D	14.297	13.777	11.773	10.881	9.836	7.786	7.777	7.555	8.882	11.541	12.764	15.447	19.452												
	TOTAL OBS	928	847	906	898	930	899	928	904	853	930	891	907	10821												
-20	MEAN	16.8	18.5	26.9	35.0	45.6	56.2	62.2	62.8	55.3	44.8	35.9	23.7	40.4												
	S D	14.420	13.931	11.335	10.026	8.498	7.130	7.186	6.856	8.195	11.243	12.377	15.314	19.296												
	TOTAL OBS	925	842	904	899	925	898	926	904	855	930	890	904	10802												
1-23	MEAN	16.2	17.9	26.8	35.2	45.7	56.0	62.2	62.4	54.7	43.9	35.8	23.4	40.1												
	S D	14.990	14.227	11.262	9.618	8.143	6.479	7.069	6.969	8.588	11.312	12.560	15.249	19.352												
	TOTAL OBS	924	846	905	898	926	898	926	902	857	930	891	898	10801												
ALL HOURS	MEAN	16.4	17.7	26.5	34.6	45.2	56.2	62.2	62.4	54.8	44.5	36.1	23.4	40.1												
	S D	15.003	14.141	11.877	10.483	9.180	7.252	7.455	7.363	8.965	11.397	12.583	15.296	19.560												
	TOTAL OBS	7378	6765	7234	7191	7428	7182	7426	7194	6797	7426	6947	7022	85990												

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 025068 OTIS AFB MA STATION NAME 68-70,73,76-81 YEARS JAN NORTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.5	1.4	1.7	.1							5.0	9.3
NNE		.1	.5	.7	.4	.2						2.0	14.2
NE	.5	.4	1.0	.2	.3	.2						2.7	9.5
ENE	.3	1.4	.9	.4	.2							3.3	7.5
E		.8	.4	.3								1.5	8.0
ESE	.1	.1	.5	.2		.2						1.2	11.6
SE	.1	.2	.3	.4	.1	.1						1.3	11.7
SSE		.1	.3	.4	.2							1.1	12.0
S	.2	.3	.7	.7	1.2							3.1	13.1
SSW	.2	.3	.2	.4	.7	.1						2.0	13.4
SW		.7	.7	.4								1.7	8.6
WSW		.9	.7	1.0	1.1							3.6	12.0
W	1.0	2.7	4.9	5.4	1.9	.7						16.5	11.2
WNW	.7	3.8	6.3	3.3	1.7	.2						16.1	10.1
NW	.5	3.3	6.0	2.8	1.0							13.7	9.3
NNW	.3	3.0	2.5	2.0	.1							7.9	8.4
VARBL													
CALM												17.4	
	4.3	19.7	27.4	20.4	9.1	1.7						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 915

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

255.68 STATION 0TIS AFB MA 68-70, 73, 76-81 JAN 0300-0500
STATION NAME YEARS MONTH HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.5	1.6	.7	.2							4.0	8.9
NNE		.4	.8	1.0	.7	.3						3.2	13.7
NE	.1	.8	.3	.2	.3							1.7	9.4
ENE	.5	.3	1.1	.3	.2							2.5	8.1
E	.2	.7	.7	.7								2.2	8.2
ESE	.1	.4	.2	.7	.1							1.5	9.8
SE	.1	.1	.2	.3		.3						1.1	13.3
SSE				.1	.3	.1						.5	19.0
S	.1	.2	.7	.5	1.0							2.5	13.3
SSW	.1	.7	.7	.7	.4	.2						2.7	11.7
SW	.2	.4	.5	.3	.5							2.1	10.9
WSW	.1	.4	.5	1.7	.2							3.1	12.0
W	.3	2.8	4.3	4.7	2.5	.2						14.9	11.2
WNW	.3	4.5	5.0	3.0	1.6	.4						14.9	10.2
NW	.5	3.2	6.9	3.3	.5							14.4	9.0
NNW	.3	3.6	4.4	1.9	.2							10.4	8.2
VARBL													
CALM												18.3	
	3.2	27.1	27.9	27.0	9.0	1.6						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 915

ALPAC CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 125 68 OTIS AFB MA STATION NAME 68-70,73,76-81 YEARS JAN MONTH
CLASS ALL WEATHER HOURS (L.S.T.) 0600-0800

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.5	1.9	.6	.2							4.5	8.4
NNE		.1	.4	.6	1.1							2.3	15.0
NE		.4	.4	.4	.5							1.8	12.1
ENE	.2	.8	1.2	.4	.1							2.7	8.8
E	.2	.5	1.1	.2								2.1	7.9
ESE		.2	1.0	.5	.1	.1						1.9	11.6
SE	.1	.4	.3	.4	.1							1.4	9.9
SSE		.3	.1		.1	.3						.9	14.4
S		.3	1.2		.2							1.7	9.3
SSW	.1	.2	.9	.4	.9	.4						2.9	14.5
SW		1.0	.9	.5	.5		.1					3.0	11.0
WSW		1.1	1.2	1.6	.2							4.1	10.2
W	.2	4.6	4.8	4.1	2.6	.4						16.7	10.8
WNW	.3	3.2	5.2	2.6	1.6	.2						13.2	10.0
NW	.4	2.2	6.3	4.0	.8							13.6	9.9
NNW	.2	3.6	4.5	.8	.1							9.2	7.6
VARBL													
CALM												17.9	
	2.1	20.5	31.3	17.4	9.2	1.5	.1					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

25 68 STATION 0TIS AFB MA STATION NAME 68-70,73,76-81 YEARS JAN MONTH
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.2	2.0	1.6								6.1	8.4
NNE		.3	.8	1.2	.9	.1						3.2	13.9
NE		.2	.4	1.4	.6	.1						2.8	13.7
ENE		.1	1.2	.5	.3	.2						2.4	12.8
E	.1	.9	.4	.4								1.8	7.5
ESE		.3	.6	.6	.3							1.9	11.4
SE	.1	.6	.3	.6	.1							1.8	9.2
SSE	.1	.4	.4	.3	.2	.1						1.6	10.6
S	.4	.3	.8	.4	.2	.1						2.3	10.0
SSW		.5	.6	.6	.4		.3					2.6	13.5
SW	.3	.5	1.4	2.0	.9	.1	.1					5.4	12.2
WSW		.6	1.8	1.5	.3							4.3	11.0
W	.3	1.5	4.4	6.2	3.1	.1						15.7	12.3
WNW	.4	2.9	4.3	5.2	3.9	.3	.1					17.1	12.2
NW	.2	2.0	3.9	3.0	1.4	.1						10.6	10.8
NNW		2.5	6.2	2.6	.4							11.7	9.5
VARBL													
CALM												8.6	
	2.4	16.0	29.7	28.8	13.1	1.3	.5					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 930

2
FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

68-63 STATION OTIS AFB MA STATION NAME 68-70,73,76-81 YEARS JAN MONTH
1200-1400 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.3	3.5	2.4	.2							7.6	10.0
NNE	.1	1.1	1.2	1.6	.6	.3	.1					5.1	12.1
NE	.4	.3	1.4	1.6	.3	.2	.1					4.9	11.2
ENE	.1	.4	.2	.3		.5						1.6	13.1
E		.5	.8	.6	.1							2.1	10.0
ESE	.1	.3	.2	1.0		.3						1.9	12.3
SE			1.1	.2	.1							1.4	10.2
SSE	.1	.6	.4	.5	.4	.1						2.3	11.1
S	.3	1.2	.5	.6	.3							3.0	8.6
SSW	.1	.4	.5	1.5		.1						2.7	11.3
SW	.1	.1	1.3	1.7	1.6	.3						5.2	14.3
WSW	.2	.6	2.4	3.1	1.1	.1	.1					7.7	12.3
W		1.5	6.5	7.8	2.6	.8						19.1	12.6
WNW	.1	1.4	4.2	3.9	2.3	.3	.2					12.4	12.4
NW	.2	1.8	4.2	2.3	1.5	.3						10.4	11.4
NNW		1.2	2.8	2.9	.5							7.5	10.6
VARBL													
CALM												5.2	
	2.2	13.4	31.2	32.2	11.8	3.5	.5					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 925

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 68 OTIS AFB MA STATION NAME 68-70,73,76-81 YEARS JAN MONTH
1500-1700 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.2	2.5	1.5	.1	.1						6.6	8.8
NNE	.3	1.7	1.1	1.1	.5	.3						5.1	10.0
NE		1.7	1.2	.9	.3	.3						4.4	10.2
ENE	.3	1.3	1.1	.1			.1					2.9	7.1
E	.1	.6	.2	.5		.3						1.8	11.5
ESE	.2	.4	.3	.5		.1						1.6	9.3
SE	.1	.5	.8	.3								1.8	8.2
SSE		1.0	1.0	.5	.1							2.6	8.4
S		.9	1.0	1.0	.3							3.1	10.4
SSW	.1	.3	1.0	.6	.2							2.3	10.6
SW	.1	1.5	.5	1.9	.3	.4						4.8	11.7
WSW	.1	1.3	3.4	2.6	1.5							8.9	11.4
W	.1	3.2	5.8	5.5	2.2	.1	.1					17.0	11.1
WNW	.1	2.4	3.4	3.7	2.2	.4	.2					12.4	12.1
NW	.3	2.5	3.3	2.5	2.0	.4						11.1	11.4
NNW		1.1	3.0	1.4	.4							5.9	10.3
VARBL													
CALM												7.7	
	2.2	22.7	29.6	24.6	10.2	2.6	.4					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 00163 STATION NAME OTIS AFB MA YEARS 68-70, 73, 76-81 MONTH JAN
CLASS ALL WEATHER HOURS (L & T) 1900-2000

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.6	.9	1.0	.1	.2						4.3	8.8
NNE	.3	1.1	.6	.5	.8	.8						4.1	12.4
NE	.3	.5	1.1	.2								2.2	7.5
ENE		.6	.9	.3	.2							2.0	9.4
E	.1	.9	.9	.3	.1							2.3	7.9
ESE		.2	.3	.4		.1						1.1	12.4
SE	.1	.2	.4	.2	.1							1.1	9.6
SSE	.1		1.8	.4	.2							2.6	9.7
S		.9	.4	.4	.6							2.4	11.2
SSW		.3	.8	.9								1.9	10.8
SW	.1	1.3	1.7	1.1	.3							4.5	9.7
WSW	.3	.8	2.0	1.5	1.0	.1						5.7	11.3
W	1.0	4.0	4.2	4.3	1.5	.3	.2					15.5	10.3
WNW	.5	3.1	5.2	3.9	1.9	.5		.1				15.3	11.0
NW	.2	3.4	2.7	2.0	1.0	.3						9.7	9.7
NNW	.6	2.5	2.0	1.1	.5							6.8	8.4
VARBL													
CALM												18.6	
	4.3	21.4	25.9	18.6	8.4	2.4	.2	.1				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
47 WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

100169
STATION

OTIS AFB MA

STATION NAME

69-70,73,76-81

YEARS

JAN

MONTH

ALL WEATHER

CLASS

2100-2300

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.4	1.5	1.6	.2							5.0	9.8
NNE	.2	.4	.5	.8	.3	.5						2.8	13.2
NE	.2	.3	.4	.4	.2	.1						1.7	11.3
ENE	.3	1.3	.8	.1								2.5	6.5
E	.1	.5	.9	.5	.2	.1						2.4	10.1
ESE	.1	.3	.1	.2	.2	.2						1.2	12.4
SE	.1		.4	.3								.9	10.3
SSE		.3	.4	.9	.1							1.9	9.9
S	.1	.9	.9	.3	.8							2.9	11.1
SSW		.3	1.2	.4	.2							2.2	11.0
SW	.2	1.3	1.0	.2	.3							2.7	8.4
WSW		1.7	1.8	2.2	1.0	.1						6.0	11.8
W	.4	2.8	4.8	5.3	1.1	.3	.2					14.9	11.2
WNW	.3	4.9	5.5	3.3	1.4							15.4	9.5
NW	.5	2.8	2.3	3.0	1.4	.1						10.2	10.5
NNW	.4	3.9	3.0	2.1	.4	.1	.1					10.0	8.9
VARBL													
CALM												17.3	
	1.1	22.6	25.5	21.7	7.9	1.6	.3					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

70766
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 76-81

YEARS

JAN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.7	1.9	1.4	.1	.7						5.4	9.1
NNE	.1	.7	.7	.9	.7	.3	.0					3.5	12.6
NE	.2	.8	.8	.7	.3	.1	.0					2.8	10.7
ENE	.2	.9	.9	.3	.1	.1	.0					2.5	8.9
E	.1	.7	.7	.5	.1	.1						2.0	8.9
ESE	.1	.3	.4	.5	.1	.1						1.6	11.3
SE	.1	.3	.5	.4	.1	.1						1.4	10.1
SSE	.0	.4	.6	.4	.2	.1						1.7	10.7
S	.1	.6	.8	.5	.6	.0						2.6	10.9
SSW	.1	.4	.7	.7	.4	.1	.0					2.4	12.2
SW	.1	.8	1.0	1.0	.6	.1	.0					3.7	11.3
WSW	.1	.8	1.7	1.9	.8	.0	.0					5.4	11.5
W	.4	2.9	4.9	5.4	2.2	.4	.1					16.3	11.4
WNW	.4	3.3	4.9	3.6	2.1	.3	.1	.0				14.6	10.9
NW	.4	2.7	4.4	2.9	1.2	.2						11.7	10.2
NNW	.2	2.7	3.6	1.8	.4	.0	.0					8.7	8.9
VARBL													
CALM												13.9	
	2.9	19.6	28.6	22.9	9.8	2.0	.3	.0				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

7396

AD-A113 716

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
OTIS AFB, FALMOUTH, MASSACHUSETTS. REVISED UNIFORM SUMMARY OF S--ETC(U)
FEB 82

UNCLASSIFIED USAFETAC/DS-82/010

SBI-AD-F850 155

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GLOBAL CLIMATOLOGY BRANCH
SAFETAC
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 68 OTIS AFB MA STATION NAME 69-70, 73, 76-81 YEARS FEB MONTH
0000-0200 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.9	2.7	1.4	.9	.1						6.7	10.6
NNE	.1	.4	.7	1.6	.7	.4						3.9	13.5
NE		.4	.4		1.3	.4	.1					2.5	17.1
ENE	.2	.9	1.3	.4								2.8	7.6
E	.4	1.1	.6	.7								2.7	8.0
ESE	.2	.4	.6	.5								1.6	7.7
SE		.1	.7	.4	.1							1.3	11.1
SSE		1.1	.4	.7								2.1	8.7
S	.1	.5		.6	.6	.1						2.0	12.6
SSW	.1	.2	.6	.5		.2	.1					1.8	12.3
SW		.1	.5	1.3	.1	.1						2.1	12.7
WSW	.5	1.2	2.6	.9	.7	.2						6.1	10.2
W	.2	1.9	3.9	4.0	.7							10.7	10.5
WNW	.4	1.8	4.9	2.0	.6							9.7	9.5
NW	.8	3.7	4.2	4.1	.5							13.3	9.2
NNW	.4	4.2	3.9	1.5	.6	.2						10.8	8.8
VARBL													
CALM												19.8	
	4.0	18.8	27.9	20.6	6.8	1.8	.2					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 849

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

105068
STATION

OTIS AFB MA
STATION NAME

68-70, 73, 76-81
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.3	2.4	2.1	.6	.2	.2					7.2	11.5
NNE		.6	.5	.5	.6	.7	.2					3.1	16.1
NE	.1	1.4	.6	.9	.6		.1					3.8	10.7
ENE	.1	.3	1.4	.6	.2							3.2	8.9
E	.7	.8	1.1	.6								3.2	7.1
ESE		.2	.4	.1								.7	7.5
SE		.1	.5	.6								1.2	11.9
SSE	.1	.5	.4	.2								1.2	7.6
S	.4	.5	.8	.6	.7							2.9	11.3
SSW	.2	.6	.6	.1								1.5	7.2
SW	.1	.9	.6	.8	.6							3.1	10.7
WSW	.1	.8	1.7	2.2	.5	.4						5.7	11.6
W	.5	2.5	3.1	3.7	.1							9.8	9.6
WNW	.2	2.8	5.1	1.5								9.7	8.5
NW	.2	3.5	5.3	3.7	.4							13.1	9.3
NNW	.7	4.7	2.8	2.6	.7	.1						11.7	8.9
VARBL													
CALM												19.1	
	3.9	22.2	27.0	20.9	5.0	1.4	.6					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 848

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725768
STATION

OTIS AFB MA
STATION NAME

68-70,73,76-81
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.2	1.9	1.4	.4	.1	.4					5.5	11.4
NNE	.2	.5	.9	1.2	.9	.4	.4	.1				4.6	15.2
NE	.4	.6	.4	1.5	.2							3.1	10.6
ENE	.5	.6	1.3	1.2	.1							3.7	9.4
E	.2	.6	1.2	.6								2.6	8.3
ESE	.6	.5	.2		.1							1.4	5.6
SE	.1	.1	.4	.5	.2							1.3	11.5
SSE	.1	.4	.2	.6								1.3	9.0
S	.1	.9	1.1	1.3	.1							3.4	9.9
SSW	.1	.2	.5	.4								1.2	8.6
SW	.1	.7	1.4	1.4	.2							3.9	10.1
WSW	.1	1.3	1.2	1.8	.5	.4						5.7	10.8
W	.4	2.2	3.7	3.8	.5							10.5	9.9
WNW	.4	2.1	5.1	2.5	.5							10.5	9.2
NW	.6	2.8	6.0	2.2	.2	.4						12.2	9.4
NNW	.6	3.3	3.4	3.4		.1						10.8	9.3
VARBL													
CALM												18.4	
	4.7	18.4	28.7	23.7	4.0	1.3	.7	.1				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

849

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

105568
STATION

OTIS AFB MA

STATION NAME

68-70,73,76-81

YEARS

FEB
MONTH

ALL WEATHER

CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.2	2.7	2.6	.7		.4					7.5	12.1
NNE	.1		1.3	.8	1.9	.7	.6	.1				5.5	17.6
NE	.2	.6	.8	2.4	.5	.2						4.7	12.4
ENE	.1	1.1	.9	1.2	.5	.1						3.9	10.5
E		.8	.9	.8								2.6	8.9
ESE		.6	1.2									1.8	8.4
SE	.1	.2	1.3	.6								2.2	9.5
SSE		.2	1.1	.9	.2	.1						2.6	11.5
S		.1	1.5	1.4	.2							3.3	11.5
SSW	.1	.7	.5	1.2	.6	.1						3.2	12.0
SW	.1	.6	1.1	.9	1.2	.2						4.1	13.5
WSW		.5	1.9	3.4	1.1	.1						6.9	13.1
W	.1	1.9	3.9	3.8	1.3	.6	.1					11.5	12.0
WNW		.9	4.7	4.7	1.1	.4						11.8	11.7
NW	.1	1.8	4.9	4.0	.8	.2						11.9	11.0
NNW		1.1	3.3	3.1	1.2	.1						8.7	11.6
VARBL													
CALM												7.7	
	1.1	12.1	32.0	31.8	11.2	2.9	1.1	.1				100.0	11.1

TOTAL NUMBER OF OBSERVATIONS

849

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NOV 68
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 76-81

YEARS

FEB

MONTH

ALL WEATHER

CLASS

1200-1400

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.9	3.2	2.7	.9		.2	.2				8.1	12.6
NNE		.6	1.3	1.8	1.8	.7	.1	.1				6.4	15.8
NE		.4	.9	2.0	1.4							4.7	14.1
ENE	.1	.4	.7	.5	.5	.4	.1					2.6	14.1
E		.9	.9	.6			.1					2.6	9.2
ESE		.2	1.5	.4								2.1	9.3
SE	.2	.4	1.7	.9	.1							3.3	9.6
SSE	.4	.6	.2	.1	.5	.2						2.0	10.9
S	.5	.5	1.2	1.5	.7	.4						4.7	12.0
SSW	.1	.4	1.1	.9	.2	.1						2.8	11.4
SW		.2	1.3	2.1	1.4	.2	.5					5.8	15.5
WSW		1.7	3.5	4.2	2.9	.2	.1	.1				12.9	13.2
W		1.9	4.4	5.0	1.2	.1						12.5	11.6
WNW	.1	1.5	4.8	4.7	.8	.8	.1					13.0	12.1
NW	.1	1.1	3.1	4.1	.9							9.3	11.6
NNW		.4	1.3	2.2	.5	.4						4.7	13.3
VARBL													
CALM												2.5	
	1.5	11.8	31.1	33.8	13.9	3.5	1.3	.5				100.0	12.2

TOTAL NUMBER OF OBSERVATIONS

848

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

NOV 68
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 76-81

YEARS

FEB

MONTH

ALL WEATHER

CLASS

1500-1700

MOVES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.4	2.1	2.0	.2	.1	.6					6.5	12.1
NNE	.1	1.2	1.3	1.3	1.7	.9						6.5	14.0
NE	.1	1.3	1.7	2.9	1.2	.2						7.4	12.0
ENE		.9	.7	.2		.1	.2	.1				2.4	11.8
E	.1	.4	.7	.5	.1	.1						1.9	10.4
ESE		.5	1.8	.4								2.6	8.5
SE		.6	.9	.2	.2							2.0	9.5
SSE	.1	.1	.8	.6	.2	.4						2.2	13.3
S	.1	1.8	.9	.8	.5							4.1	9.1
SSW	.2	.6	2.4	1.1								4.2	8.7
SW	.2	.9	1.7	2.5	1.1	.1						6.5	11.5
WSW	.4	1.3	4.0	4.0	1.2	.2						11.1	11.6
W	.1	2.0	3.9	4.7	2.1	.4	.1					13.3	12.1
WNW		1.5	4.6	4.6	1.2	.5						12.4	12.0
NW	.1	1.1	2.8	3.2	.9							8.1	11.8
NNW	.1	.2	2.0	2.6	1.1							6.0	12.3
VARBL													
CALM												2.7	
	1.8	15.8	32.3	31.6	11.7	3.1	.9	.1				100.0	11.3

TOTAL NUMBER OF OBSERVATIONS

848

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1968
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 76-81

YEARS

FEB

MONTH

ALL WEATHER

CLASS

1800-2000

HOUS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.3	1.8	.9	.2	.7	.1					5.2	11.8
NNE	.5	1.3	.6	1.3	1.3	.8	.1					5.9	13.2
NE	.4	.7	.8	1.7	.6	.4	.1					4.6	12.5
ENE	.5		.2	1.1				.2				2.0	12.9
E	.4	1.4	.6		.2							2.6	6.3
ESE		.7	.6	.5	.2	.1						2.1	10.6
SE	.2	.5	.7	.2	.4							2.1	8.9
SSE		.4	.5		.4	.1	.2					1.5	14.2
S	.6	.8	1.1	.1	.2	.1						2.9	7.9
SSW	.1	.7	1.4	.8	.2							3.3	9.9
SW	.1	1.9	2.0	1.4	.6							6.0	9.6
WSW	.2	2.1	1.7	2.1	.1							6.2	8.8
W	.1	3.4	5.7	3.2	1.2	.2	.1					13.9	10.2
WNW	.1	2.5	3.8	3.1	.4	.6						10.4	10.5
NW	.2	3.8	2.7	1.9	.6	.2						9.4	9.2
NNW	.2	2.1	1.9	.9	.8	.2						6.2	10.0
VARBL													
CALM												15.4	
	3.8	23.7	25.9	19.2	7.4	3.5	.7	.2				100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

848

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725068
STATION

OTIS AFB MA

STATION NAME

68-70,73,76-81

YEARS

FEB

MONTH

ALL WEATHER

CLASS

2100-2300

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.1	2.0	.9	.7	.4	.1					7.1	9.6
NNE		.9	1.2	1.4	1.1	.6						5.1	13.7
NE	.2	.1	.2	.7	1.3	.2	.1					2.9	16.0
ENE	.2	1.1	1.3	.7	.1							3.4	8.2
E	.6	.7	.7	.4	.1		.1	.1				2.7	9.6
ESE	.2	.7	.7	.1	.1							1.9	7.3
SE	.1	.1	.4	.8	.4	.1						1.9	12.8
SSE	.1	.8	.2	.1	.1							1.4	6.8
S		.4	1.2	.4	.2	.5	.1					2.7	13.4
SSW		.8	.6	.5	.2							2.1	9.5
SW	.1	.8	.7	1.2	.4							3.2	10.5
WSW		1.8	.8	1.5	.6							4.7	10.5
W	.2	3.1	3.2	4.6	.8	.2						12.1	10.6
WNW	.1	2.9	5.2	2.9	.9							12.1	9.9
NW	.7	1.8	1.5	3.4	.9							8.4	10.3
NNW	.4	2.2	1.8	2.1	.7							7.2	9.9
VARBL													
CALM												21.1	
	3.9	20.3	21.7	21.8	8.7	2.0	.5	.1				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

849

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

005168
STATION

OTIS AFB MA

STATION NAME

69-70,73,76-81

YEARS

FEB

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.3	2.3	1.8	.6	.2	.3	.0				6.7	11.5
NNE	.1	.7	1.0	1.2	1.2	.6	.2	.0				5.1	14.8
NE	.2	.7	.7	1.5	.9	.2	.1					4.2	12.9
ENE	.2	.7	1.0	.7	.2	.1	.0	.0				3.0	10.2
E	.3	.8	.8	.5	.1	.0	.0	.0				2.6	8.4
ESE	.1	.5	.9	.2	.1	.0						1.8	8.3
SE	.1	.3	.8	.5	.2	.0						1.9	10.3
SSE	.1	.5	.5	.4	.2	.1	.0					1.8	10.6
S	.2	.7	1.0	.8	.4	.1	.0					3.3	10.9
SSW	.1	.5	.9	.7	.2	.1	.0					2.5	10.1
SW	.1	.8	1.1	1.5	.7	.1	.1					4.3	11.8
WSW	.2	1.4	2.2	2.5	.9	.2	.0	.0				7.4	11.5
W	.2	2.3	3.9	4.1	1.0	.2	.0					11.8	10.9
WNW	.2	2.0	4.8	3.3	.7	.3	.0					11.2	10.5
NW	.4	2.4	3.8	3.3	.7	.1						10.7	10.1
NNW	.3	2.3	2.5	2.3	.7	.1						8.3	10.1
VARBL													
CALM												13.3	
	3.1	17.9	28.3	25.4	8.6	2.4	.8	.1				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

6788

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

125168
STATION

OTIS AFB MA

STATION NAME

68-70,73,76-81

YEARS

MAR

MONTH

ALL WEATHER

CLASS

0000-0200

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.4	2.3	1.9	.4	.2	.3	.1				8.1	10.5
NNE	.1	.6	1.7	1.5	.2	.1		.1				4.4	10.8
NE	.2	.4	2.2	1.1	.1	.2	.1					4.3	10.9
ENE	.3	.3	1.2	.4	.3	.1						2.7	10.2
E	.3	.8	.4	.4	.4							2.4	9.5
ESE		.3	.4		.1							.9	8.5
SE		1.9	.3	.5	.4							3.2	8.4
SSE	.4	.8	.4	.8	.1	.1						2.6	8.9
S	.4	1.4	1.2	1.1	.2							4.3	8.6
SSW	.1	.9	.8	.8	.3							2.8	9.7
SW	.4	1.7	2.2	1.0	.5							5.8	8.9
WSW	.2	1.2	2.3	1.9	.3							5.9	9.8
W	.6	1.7	3.8	2.7	.4	.3						9.6	10.0
WNW	.6	4.7	4.0	2.4	.9							11.8	9.0
NW	.4	2.3	2.5	1.7	.5	.2						7.6	9.4
NNW	.3	1.8	2.3	1.2	.2	.1						5.9	8.9
VARBL													
CALM												17.7	
	5.1	22.5	27.8	19.4	5.6	1.4	.4	.2				100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

929

0
2
1
JULY CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

03068
STATION

OTIS AFB MA

STATION NAME

68-70,73,76-81

YEARS

MAP
BORTH

ALL WEATHER

CLASS

3300-0500

MOSES (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.0	3.3	2.5	1.1	.1						6.4	11.3
NNE	.2	1.1	1.9	1.4	.3							4.8	9.8
NE		.6	1.4	1.3	.3	.3						4.0	11.8
ENE	.1	.2	1.6	.1	.3							2.4	10.0
E	.2	.6	1.0		.4							2.3	9.2
ESE	.1	.4	.4	.5	.2							1.7	10.2
SE		.3	.5		.3							1.2	10.4
SSE		.6	.3	.5	.1							1.6	9.4
S	.1	1.1	1.1	1.1								3.3	8.5
SSW		.2	.6	1.1	.4							2.4	12.3
SW	.1	1.4	1.6	.9	.3							4.7	8.5
WSW	.6	1.5	2.0	.8	.5		.1					5.6	9.3
W	.3	2.4	3.3	3.2	.6							9.9	9.9
WNW	.8	3.1	3.4	2.6	.6	.1						10.7	9.2
NW	.5	3.2	2.8	1.2	.3							8.1	7.9
NNW	.3	1.8	2.6	1.2	.4							6.4	8.8
VARBL													
CALM												22.6	
	3.9	20.0	28.1	18.3	6.5	.5	.1					100.3	7.4

TOTAL NUMBER OF OBSERVATIONS

929

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

06068
STATION

OTIS AFB MA

STATION NAME

64-70, 73, 76-81

YEARS

MAC
NORTH

ALL WEATHER

CLASS

0600-0800
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.6	4.0	2.7	.6	.4	.2					6.9	11.8
NNE	.1	.4	1.0	2.6	.1	.2						4.4	11.9
NE	.1	1.5	1.3	.9	.1	.1	.2					4.2	9.7
ENE		.1	1.6	1.7	.3							3.8	11.8
E		.3	.9	.4								1.6	9.9
ESE	.2	.4	.6	.3	.2							1.8	9.2
SE	.2	.5	.4	.3	.1							1.6	8.4
SSE	.1	.2	.9	.5								1.7	9.6
S		1.7	1.9	1.9	.2							5.8	9.4
SSW	.1	.0	.8	1.1	.2							3.0	10.3
SW	.2	.6	1.6	.8	.2	.1						3.5	9.9
WSW	.1	1.8	3.0	1.5	.2	.2						6.9	9.8
W	.5	2.3	2.0	3.3	.8	.3						9.2	10.8
WNW	.2	2.8	2.9	4.7	.8							11.4	10.3
NW	1.2	2.8	3.1	1.9	.1							8.9	7.7
NNW	.4	1.4	2.6	1.2	.6							6.2	9.7
VARBL													
CALM												16.9	
	3.7	18.5	28.6	25.9	4.6	1.4	.4					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17868
STATION

OTIS AFB MA

STATION NAME

68-70,73,76-81

YEARS

MAR
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.9	2.2	3.2	.9	.3	.1					7.5	12.7
NNE	.1	.5	2.5	4.7	1.6	.3	.4					10.2	14.2
NE	.1	.2	1.5	1.6	.1							4.1	10.1
ENE	.1	1.7	1.7	2.0	.5	.1						5.5	11.1
E		.6	.9	.8								2.3	9.2
ESE	.1	.4	.4	.9	.2							2.0	10.2
SE		.3	.4	.6	.2	.1						1.7	11.6
SSE		.8	.4	.4	.1							1.7	8.9
S	.4	.9	1.6	1.5	.3							4.7	9.7
SSW		.9	2.4	2.8	.6							6.7	11.3
SW	.2	.9	1.5	1.8	.6	.8						5.8	12.6
WSW	.1	1.2	2.3	2.3	1.1	.9						7.7	12.6
W	.8	2.3	3.5	3.3	1.5	.2	.2					11.8	11.1
WNW	.1	1.3	2.9	4.7	1.1	.2	.2					10.5	12.5
NW		1.1	2.9	3.5	.8							8.3	11.2
NNW		.2	2.2	1.9	.3							4.6	11.4
VARBL													
CALM												4.7	
	2.0	13.9	29.2	36.2	10.0	2.9	1.0					100.0	11.2

TOTAL NUMBER OF OBSERVATIONS

930

GENERAL CLIMATOLOGY BRANCH
USAFETAC
ATC WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

125068
STATION

OTIS AFB MA

STATION NAME

68-70,73,76-81

YEARS

MAR

MONTH

ALL WEATHER

CLASS

1200-1400

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1	2.0	3.2	1.1	1.0	.1					8.5	13.6
NNE		.6	2.5	4.3	1.3	.2	.6					9.6	14.0
NE	.2	.9	1.9	2.3	.4							5.7	11.0
ENE		1.0	1.8	.6	.2	.1						3.8	9.7
E	.1	.9	1.6	.3								2.7	7.9
ESE	.2	.4	1.3	.6								2.6	8.7
SE	.2	.1	.8	1.2								2.3	10.5
SSE	.2	.4	.4	.8	.3							2.2	10.5
S	.2	1.6	1.0	1.5	.5	.1						5.0	10.4
SSW	.1	1.3	2.5	2.6	1.2							7.6	11.4
SW		.6	2.3	3.4	.8	.3						7.4	12.3
WSW		.2	2.9	3.4	2.8	.4						9.8	14.3
W	.5	.9	4.1	4.0	3.0	.9						13.3	13.1
WNW		1.0	2.7	3.0	1.2	.4						8.3	12.6
NW		.5	1.6	3.0	.8	.1						6.0	12.6
NNW		.5	1.6	.3	.2							2.7	10.0
VARBL													
CALM												2.4	
	1.8	12.1	31.0	34.7	13.8	3.6	.8					100.0	11.9

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

710069
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 76-81

YEARS

MAP
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4	1.9	2.3	.5	.2	.1					5.7	12.5
NNE	.2	1.5	3.5	3.9	1.1	.4	.4					11.1	12.5
NE	.1	1.3	2.5	1.1	.2							5.5	9.3
ENE	.3	1.1	1.6	.6	.2							3.9	8.5
E	.4	1.2	.8	.8								3.1	7.7
ESE	.2	.2	.9	1.1	.2	.1						2.7	11.6
SE	.3	.5	.6	.9	.1							2.5	9.2
SSE	.2	.6	.9	.8								2.5	8.9
S	.2	1.6	2.5	.6	.4							5.4	8.9
SSW	.1	1.7	2.9	1.8	1.1	.1						7.0	11.3
SW	.1		4.0	3.3	1.2	.1						9.7	12.2
WSW	.2	1.0	4.2	5.3	1.5	.2						12.4	12.2
W		1.0	2.3	3.8	2.2	.3						9.5	13.4
WNW		.3	1.5	4.3	1.9	.1						8.6	13.7
NW		.3	2.0	3.0	.1	.2						5.7	12.1
NNW	.1	.1	1.1	1.4	.5	.1						3.3	12.9
VARBL													
CALM												2.6	
	2.8	12.6	33.1	35.2	11.3	1.9	.5					100.0	11.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1957-68
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 76-81

YEARS

MAP
NORTH

ALL WEATHER

CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.3	1.7	2.0	.2	.1	.2					5.9	11.1
NNE	.1	1.2	2.3	1.2	.4	.3	.2					5.7	11.5
NE		.8	2.3	.8	.1							3.9	9.2
ENE	.3	1.2	1.1	.9		.4						3.9	9.5
E	.2	.6	1.0	.9								2.7	8.9
ESE	.1	.8	1.2	.6	.4	.2						3.3	11.3
SE	.4	.4	.8	.2								1.8	7.1
SSE	.3	1.3	.6	.4	.1							2.8	6.8
S	.3	2.2	1.2	.9	.2							4.7	7.9
SSW	.4	2.0	2.3	1.2	.1							6.0	7.9
SW	.6	1.8	3.7	1.4	.5	.2						8.3	9.5
WSW	.2	3.3	3.0	2.6	.9	.2						10.2	9.9
W	.4	2.0	2.7	3.1	1.1							9.4	10.5
WNW	.2	1.7	1.9	2.9	1.3							8.3	11.0
NW		.6	2.5	1.9	1.3							6.4	11.8
NNW	.2	.6	1.2	1.7	.5							4.3	11.4
VARBL													
CALM												12.4	
	4.3	22.2	29.3	22.7	7.2	1.5	.4					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

705068
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 76-81

YEARS

MAR

MONTH

ALL WEATHER

CLASS

2100-2300

DOES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.7	2.0	2.3	.3		.6					7.2	11.3
NNE		.8	1.1	1.1	.2							3.1	10.3
NE	.2	.2	2.5	.8	.3							4.0	9.8
ENE		1.1	1.0	.8	.1	.2	.1					3.2	11.2
E	.1	.4	1.0	.4	.1							2.0	8.9
ESE		.6	.3	.5	.6							2.2	12.4
SE	.3	.6	.5									1.5	5.9
SSE		1.7	1.0	.3	.4	.1						3.6	9.2
S	.4	1.1	1.8	.6								4.0	7.8
SSW	.1	1.4	1.6	.6	.3	.1						4.2	9.4
SW	.4	2.3	2.3	1.2	.4							6.6	8.7
WSW	.2	1.8	2.6	1.5	.8							6.9	9.7
W	.9	3.0	2.5	3.4	.8							10.5	9.6
WNW	.6	1.9	3.7	2.5	1.2	.4						10.3	10.9
NW	.5	2.0	2.3	2.0	.9	.1						7.9	10.0
NNW	.3	1.0	1.1	1.0	.1							3.4	8.5
VARBL													
CALM												19.4	
	4.4	21.7	27.1	19.1	6.6	1.0	.8					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

929

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

125068
 STATION

OTIS AFB MA

STATION NAME

68-70, 73, 76-81

YEARS

MAR

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.2	2.4	2.5	.6	.3	.2	.0				7.5	11.9
NNE	.1	.9	2.1	2.6	.7	.2	.2	.0				6.7	12.4
NE	.1	.9	1.9	1.3	.2	.1	.0					4.5	10.2
ENE	.1	.7	1.5	.9	.3	.1	.0					3.6	10.3
E	.2	.7	.9	.5	.1							2.4	8.8
ESE	.1	.5	.7	.6	.3	.0						2.2	10.5
SE	.2	.6	.6	.5	.1	.0						2.0	8.9
SSE	.2	.8	.6	.6	.1	.0						2.3	8.9
S	.3	1.4	1.5	1.2	.2	.0						4.7	9.0
SSW	.1	1.1	1.7	1.5	.5	.0						5.0	10.5
SW	.3	1.2	2.4	1.7	.6	.2						6.4	10.5
WSW	.2	1.5	2.8	2.4	1.0	.2	.0					8.2	11.2
W	.5	1.9	3.0	3.4	1.3	.3	.0					10.4	11.1
WNW	.3	2.1	2.9	3.4	1.1	.2	.0					10.0	11.0
NW	.3	1.6	2.5	2.3	.6	.1						7.4	10.1
NNW	.2	.9	1.8	1.2	.4	.0						4.6	10.0
VARB													
CALM												12.3	
	3.5	17.0	29.3	26.4	8.2	1.8	.6	.0				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

7435

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725068
STATION

OTIS AFB MA
STATION NAME

68-70,73,76-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.7	2.0	.6								5.7	6.8
NNE	.1	2.1	.9	1.7	.2							5.0	9.1
NE		1.1	.2	1.1	.8							3.2	11.6
ENE	.1	.9	.4	.3								1.7	7.4
E	.2	.6	1.0	.2								2.0	8.1
ESE	.3	.6	.3	.7	.1							2.0	8.7
SE	.2	.7	.8	.2								1.9	7.2
SSE	.2	1.0	.8	1.2								3.2	9.0
S	.1	1.0	.3	.7	.2	.4						2.8	11.5
SSW	.3	1.4	1.3	1.0	.2	.1						4.4	9.4
SW	.3	2.7	1.8	1.2	.4	.1	.1					6.7	9.1
WSW	.3	4.2	3.0	2.3	.6	.4	.1					11.0	9.5
W	.4	3.7	4.7	2.1	.2							11.1	8.3
WNW	.3	1.9	2.7	.9	.2							6.0	8.4
NW	.1	3.0	2.4	1.1		.1						6.8	8.0
NNW	.4	3.7	1.7	.6								5.7	6.7
VARBL													
CALM												20.9	
	4.1	30.3	24.3	15.9	3.0	1.2	.2					104.0	6.8

TOTAL NUMBER OF OBSERVATIONS 900

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725068
STATION

OTIS AFB MA
STATION NAME

68-70,73,76-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	3.4	1.9	1.3								6.8	7.9
NNE	.4	1.2	1.2	1.9	.4	.1						5.3	9.8
NE	.4	1.3	.9	.8	.3							3.8	8.4
ENE	.2	.7	.8	.2								1.9	7.4
E	.2	.9	1.1	.2								2.3	7.8
ESE	.1	.7	.4	.6								1.8	7.9
SE	.1	.7	1.1	.3								2.2	8.0
SSE	.4	.7	.2	.3	.2							1.9	8.1
S	.2	.7	1.1	.7	.1		.1					2.9	10.1
SSW	.1	1.0	1.1	.2	.2	.2						2.9	9.9
SW	.4	2.6	1.6	1.8	.3	.3	.1					7.1	9.9
WSW	.8	3.3	2.6	2.1	.9	.4	.1					10.2	9.7
W	.6	3.6	4.1	1.6	.1							9.9	8.1
WNW	.4	2.6	2.6	1.3								6.9	7.9
NW	.4	3.8	3.2	1.0								8.4	7.4
NNW	.4	1.8	1.7	.2								4.1	6.7
VARBL													
CALM												21.6	
	5.6	28.7	25.6	14.6	2.7	1.1	.3					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725168
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 76-81

YEARS

APR

MONTH

ALL WEATHER

CLASS

0600-0800

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.7	3.1	1.0	.8							7.6	9.2
NNE	.2	.9	1.7	3.0	.3	.1						6.2	11.4
NE	.1	1.4	1.8	1.3	.4							5.1	10.0
ENE		1.6	.8	.7	.1							3.1	8.3
E	.6	1.4	.8	.7								3.4	7.2
ESE		1.3	.7	.9	.1							3.0	8.9
SE		.6	1.2	.8	.1							2.7	9.5
SSE	.3	.2	.4	.4	.1							1.6	9.5
S	.1	1.0	1.4	1.0	.2							3.8	9.6
SSW	.4	.9	.9	.8	.2	.1						3.3	8.8
SW	.3	1.3	1.9	1.0	.6	.6	.1					5.8	11.4
WSW	.2	2.0	3.4	3.2	.9	.3						10.1	10.9
W	.7	2.4	3.3	3.3	.7	.1	.2					10.8	10.0
WNW	.2	1.1	3.2	2.3	.2	.1						7.2	10.0
NW	.3	1.9	4.0	2.6	.4							9.2	9.6
NNW	.2	1.7	3.1	1.0								6.0	8.5
VARBL													
CALM												11.1	
	3.8	22.4	31.8	24.0	5.2	1.3	.3					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725068
STATION

OTIS AFB MA

STATION NAME

68-70,73,76-81

YEARS

APR

MONTH

ALL WEATHER

CLASS

0900-1100

HOUS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N		1.3	1.7	2.1	.2	.1	.1					5.6	10.9
NNE	.3	.3	2.2	4.0	1.3	.3	.1					8.7	13.2
NE	.2	1.1	2.4	3.0	.8	.2						7.8	11.7
ENE	.1	.7	.2	1.2	.1							2.3	9.8
E		.6	1.3	.3	.1							2.3	9.3
ESE	.2	.9	1.6	1.9	.1							4.7	9.8
SE	.1	.6	1.4	1.4	.1							3.7	10.9
SSE	.1	.7	1.4	.3	.3							2.9	9.8
S	.2	.4	1.2	1.7	.4							4.0	11.1
SSW	.1	.4	1.1	.8	.1							2.6	10.1
SW	.1	1.3	1.7	2.3	.8	.1	.2					6.6	12.0
WSW	.6	1.7	3.6	5.2	1.7	.9		.1				13.7	12.5
W	.3	1.9	2.9	3.6	1.0	.3	.1	.2				10.3	12.3
WNW	.2	.6	3.7	2.8	.6							7.8	11.0
NW	.1	1.0	3.7	4.2	.4							9.4	11.2
NNW	.2	.4	1.2	.9	.4	.2						3.4	11.4
VARBL													
CALM												4.3	
	3.0	13.9	31.3	35.8	8.6	2.2	.6	.3				100.0	11.0

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

100068
STATION

OTIS AFB MA

STATION NAME

68-70,73,76-81

YEARS

APR

MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	1.0	1.8	.6	.2						4.1	12.6
NNE	.2	.4	2.7	4.1	1.4	.9						10.2	13.1
NE	.1	1.3	2.6	3.1	.6							7.7	10.8
ENE		.7	1.0	1.0								2.7	9.5
E		.7	2.0	1.1								3.8	9.4
ESE		.6	1.0	.8	.2							2.6	9.9
SE		.3	1.2	1.1	.2							2.9	11.1
SSE	.2	1.1	2.0	1.0	.1							4.4	9.1
S		1.6	2.9	1.4	.8							6.7	10.0
SSW	.1	.2	1.7	2.3	.3							4.7	11.5
SW		.4	2.8	4.1	1.7	.2	.4					9.7	13.8
WSW		.9	3.4	5.6	3.6	1.0						14.4	14.3
W		1.0	2.1	4.1	1.8	.4	.2					9.7	13.7
WNW		.4	2.2	2.7	1.4	.2						7.0	13.4
NW		.7	1.2	2.4	.7							5.0	12.7
NNW		.3	.8	1.1	.2							2.4	12.0
VARBL													
CALM												2.1	
	.8	11.6	30.6	37.8	13.6	3.0	.7					100.0	12.1

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

105 68 STATION 0TIS AFB MA 68-70,73,76-81 APR MONTH
 STATION NAME YEARS
 ALL WEATHER CLASS
 1500-1700 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.7	1.6	1.9								4.6	9.8
NNE		.7	2.8	2.2	1.4	.2						7.3	12.4
NE		.9	2.0	3.4	.7	.1						7.1	12.0
ENE	.2	1.1	1.6	.7								3.6	8.3
E	.1	.8	1.3	1.4								3.7	9.3
ESE		.6	2.0	1.0	.2	.1						3.9	10.3
SE	.2	.8	2.6	.3	.1							4.0	8.5
SSE	.1	1.0	1.4	.8	.1	.1						3.6	9.5
S		2.3	2.0	2.6	.7							7.6	10.0
SSW	.2	.7	3.3	2.2	.4	.3						7.2	11.3
SW		.9	2.0	5.2	2.2	.6	.1					11.0	14.0
WSW		.9	4.7	6.9	3.7	.2						16.4	13.3
W	.2	.4	1.6	3.2	1.3	.7	.1					7.6	13.9
WNW		.1	1.6	1.6	.8	.1						4.1	13.6
NW	.1	.2	1.0	2.7	.9							4.9	13.4
NNW		.1	.4	.7	.4							1.7	14.1
VARBL													
CALM												1.9	
	1.3	12.5	31.8	36.8	13.0	2.4	.2					100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 75068 OTIS AFB MA STATION NAME 68-70,73,76-81 YEARS APR MONTH 1800-2000 HOURS (LST)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.6	1.8	.2								4.3	6.4
NNE	.2	2.3	1.0	1.0	.4	.1						5.1	8.8
NE	.1	.3	1.1	1.1	.6	.1						3.8	11.6
ENE	.4	.9	1.1	.6								3.0	7.4
E	.3	.9	1.4	1.1	.1							3.9	9.3
ESE	.3	.7	1.8	.8	.6							4.1	9.6
SE	.4	1.0	1.3	.3	.1							3.2	7.3
SSE	.4	1.0	.6	.3								2.3	6.3
S	.7	2.3	3.8	.6	.3		.2					7.9	8.5
SSW	.2	1.9	1.6	1.0	.3							5.0	8.4
SW	.4	3.7	4.4	4.8	.3	.2						13.9	9.8
WSW	.2	2.3	5.3	6.7	.7	.4	.1					15.8	11.1
W	.2	1.2	2.3	2.1	.3							6.2	9.9
WNW		.6	1.3	2.4	.6	.1						5.0	12.4
NW	.3	1.1	1.7	2.1								5.2	9.6
NNW	.1	.6	1.6	.7	.2							3.1	9.8
VARBL													
CALM												8.0	
	5.3	22.8	32.1	25.8	4.6	1.0	.3					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
METEOROLOGICAL SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

105168
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 76-81

YEARS

APR
MONTH

2100-2300
HOURS (L & T)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.3	1.9	.3	.1							5.3	7.1
NNE	.2	1.1	1.1	1.0	.6	.2						4.2	10.7
NE	.2	1.7	.4	.1	.6							3.0	8.2
ENE	.1	.2	1.3	.2								1.9	8.5
E	.2	.9	.8	.9								2.8	8.6
ESE	.8	.7	.4	.8	.1							2.8	8.2
SE	.4	.9	.7	.6	.3							2.9	9.1
SSE		1.1	.8		.1							2.0	7.3
S	.6	1.3	2.1	.8	.1	.2	.1					5.2	9.1
SSW		1.9	.9	.6	.1							3.4	7.8
SW	.2	3.7	2.2	2.6	.9							9.6	9.4
WSW	.1	4.4	5.0	2.9	1.0	.2	.1					13.8	9.8
W	.3	4.2	2.9	1.8	.6							9.8	8.3
WNW	.1	1.0	2.1	1.4	.4							5.1	10.4
NW	.4	1.7	1.0	1.3	.1							4.6	8.2
NNW	.1	1.3	1.4	.6	.1							3.6	8.3
VARBL													
CALM												20.0	
	4.6	28.5	25.1	15.8	5.1	.7	.2					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

705 68 STATION OTIS AFB MA STATION NAME 68-70,73,76-81 YEARS APR NORTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.7	1.9	1.2	.2	.0	.0					6.5	8.7
NNE	.2	1.2	1.7	2.4	.8	.3	.0					6.5	11.5
NE	.2	1.2	1.4	1.8	.6	.1						5.2	10.8
ENE	.2	.8	.9	.6	.0							2.5	8.4
E	.2	.8	1.2	.8	.0							3.0	8.7
ESE	.2	.7	1.0	.9	.2	.0						3.1	9.3
SE	.2	.7	1.3	.6	.1							2.9	9.1
SSE	.2	.9	1.0	.6	.1	.0						2.7	8.7
S	.2	1.3	1.9	1.2	.4	.1	.1					5.1	9.8
SSW	.2	1.1	1.5	1.1	.3	.1						4.2	9.8
SW	.2	2.1	2.3	2.9	.9	.3	.1					8.8	11.2
WSW	.3	2.5	3.9	4.4	1.6	.5	.1	.0				13.2	11.6
W	.3	2.3	3.0	2.7	.8	.2	.1	.0				9.4	10.4
WNW	.2	1.0	2.4	1.9	.5	.1						6.1	10.8
NW	.2	1.7	2.3	2.2	.3	.0						6.7	9.9
NNW	.2	1.2	1.5	.7	.2	.0						3.8	9.0
VARBL													
CALM												11.2	
	3.6	21.3	29.1	25.8	7.0	1.6	.4	.0				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 7197

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0008 OTIS AFB MA STATION NAME 68-70,73,76-81 YEARS MAY MONTH
CLASS ALL WEATHER
CONDITION 0000-0200 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	3.5	1.4	1.3	.1							7.1	7.0
NNE	.4	1.2	1.4	1.0	.1							4.1	8.1
NE	.3	1.8	1.9	.6	.3							5.1	8.4
ENE	.1	.2	.2									1.1	5.8
E	.3	.6	.5	.1	.1							1.7	6.9
ESE	.4	.6	.2	.4	.1							1.8	7.2
SE		.6	1.6	.2		.1						2.6	9.0
SSE	.2	1.5	.9									2.6	6.0
S	.9	3.3	2.4	.5	.1							7.2	6.7
SSW	.5	1.8	2.3	1.3								5.9	8.2
SW	.3	2.5	2.2	1.3		.2						6.5	8.4
WSW	.6	3.5	4.9	2.9								12.0	8.5
W	.9	3.1	3.4	.6								8.1	7.0
WNW	.2	1.3	.4	.3								2.3	6.9
NW	.6	2.2	1.2	.5								4.5	6.5
NNW	.6	3.0	.8	.1								4.5	5.2
VARBL													
CALM												23.0	
	7.3	31.5	25.7	11.3	.9	.3						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
47 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

15 63
STATION

OTIS AFB MA

STATION NAME

68-70,73,76-81

YEARS

MAY

MONTH

ALL WEATHER

CLASS

0300-0500

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	4.3	1.7	1.4	.1							7.8	7.2
NNE	.1	.4	2.0	1.3								4.2	9.5
NE	.2	1.7	2.5	1.1	.4							5.9	9.1
ENE		.3	.5	.1								1.0	8.2
E	.2	.2	.5	.6	.1							1.7	9.5
ESE	.1	.8	1.1	.5								2.5	8.0
SE		.6	.4	.2								1.4	7.4
SSE	.3	.8	.1	.1								1.3	5.2
S	.5	1.8	2.5	.4								5.3	7.2
SSW	.3	1.4	1.6	1.0								4.3	8.5
SW	.8	2.8	2.5	.6		.2						6.9	7.3
WSW	.1	2.9	3.8	2.4	.4							9.6	9.2
W	1.2	3.1	2.4	1.2								7.8	7.1
WNW	1.1	1.3	1.1	.3								3.8	5.8
NW	.6	2.4	.8	.3								4.1	5.7
NNW	.3	2.6	.4	.1								3.4	5.1
VARBL													
CALM												29.0	
	6.2	27.8	23.9	11.7	1.1	.2						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10576R
STATION

OTIS AFB MA

STATION NAME

68-70,73,76-81

YEARS

MAY

MONTH

ALL WEATHER

CLASS

0600-0800

NO. OF (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.4	2.9	2.4	.3	.1						7.4	10.0
NNE	.1	1.5	2.3	1.9	.2							6.0	10.1
NE	.1	2.4	3.3	1.8	.5							8.2	9.7
ENE	.3	.5	.6	.6	.4							2.6	9.8
E	.2	.5	.9	.6								2.4	8.5
ESE		.9	1.0	.5	.4							2.8	10.2
SE	.5	.9	.9	.4								2.8	6.8
SSE	.2	1.4	.9	.2	.1							2.8	6.8
S	.5	2.0	2.3	.8	.2							5.8	7.8
SSW	.2	1.1	1.2	1.6								4.1	9.6
SW	.6	1.7	2.2	2.0	.5							7.1	9.6
WSW	.1	2.3	3.4	1.7	.6							8.2	9.6
W	.9	3.1	4.1	2.2	.1							10.3	8.1
WNW	.1	1.9	2.5	.6								5.2	7.7
NW	.5	1.2	2.5	1.4								5.6	8.4
NNW	.5	1.1	1.9	.6								4.2	7.7
VARBL													
CALM												14.6	
	5.5	24.0	32.7	19.6	3.5	.1						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT: WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

705068
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 76-81

YEARS

MAY

MONTH

ALL WEATHER

CLASS

0900-1100

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	2.0	1.3	.5							5.5	9.4
NNE	.2	.9	2.9	4.0	.5	.4						8.9	11.9
NE	.1	1.3	4.1	3.1	.5	.2						9.4	10.9
ENE		.6	1.1	1.1	.6							3.4	11.3
E	.4	.4	1.3	.2	.3							3.0	8.4
ESE		1.0	.4	.3	.5							2.3	10.1
SE	.1	1.2	1.5	.3								3.1	7.5
SSE	.2	.8	1.8	.5	.2							3.6	9.0
S		2.7	3.8	1.4	.2	.1						8.2	8.9
SSW	.1	1.2	1.7	2.3	.6	.1						6.0	11.2
SW	.4	1.4	2.5	1.9	1.1	.3						7.7	11.3
WSW	.4	2.0	5.1	3.4	1.3	.4						12.7	10.9
W	.2	2.6	5.5	2.5	.2							11.0	9.1
WNW	.1	.6	2.0	1.1								3.9	9.4
NW		.4	1.2	1.7								3.3	10.9
NNW	.1	.5	.9	.5								2.0	8.9
VARBL													
CALM												5.9	
	1.0	19.1	37.8	25.8	6.8	1.6						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

121069
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 76-81

YEARS

MAY
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.5	.8	2.0	.4							4.0	11.8
NNE	.1	.2	2.4	3.0	1.1	.1						7.5	11.9
NE	.1	1.1	2.4	3.7	.9	.1						8.2	11.7
ENE		1.3	2.4	1.7	.4							5.8	10.2
E	.3	1.2	1.4									2.9	6.7
ESE		.6	1.6	.5	.3							3.1	9.8
SE	.2	.9	1.5	.3	.2							3.1	8.6
SSE		1.1	2.6	1.2	.1							5.0	9.4
S	.2	2.9	3.9	1.8	.2							9.0	8.6
SSW	.1	.9	4.2	2.7	.4	.4	.2					8.8	11.7
SW		1.8	3.7	5.7	2.4	.5						14.1	12.8
WSW		.4	4.4	7.1	1.4	.3						13.7	12.7
W	.1	1.1	2.7	2.6	1.1							7.5	11.6
WNW		.4	.6	.5								1.6	9.2
NW		.4	.6	1.3								2.4	10.6
NNW		.3	.4	.4								1.2	9.6
VARBL												2.0	
CALM													
	1.3	15.8	35.5	34.7	8.9	1.5	.2					100.0	10.9

TOTAL NUMBER OF OBSERVATIONS

929

0
2
0
1
J. REAL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00068
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 76-81

YEARS

MAY

MONTH

ALL WEATHER

CLASS

1500-1700

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5	1.3	.9	.1							2.9	10.0
NNE	.2	1.0	2.4	3.2	.5	.1	.1					7.5	11.3
NE	.1	1.7	2.2	2.8	1.2	.3						8.3	11.8
ENE	.1	1.1	1.1	.5	.3							3.1	9.1
E	.1	1.1	.9	.2	.1							2.4	7.2
ESE		.4	1.6	.6								3.0	8.9
SE	.1	1.4	2.9	.6	.2							5.5	8.3
SSE	.1	1.5	3.3	.8								5.7	8.0
S	.1	2.9	4.6	2.4	.1							10.1	8.7
SSW	.3	2.4	3.7	3.2	.5	.2						10.3	10.1
SW	.2	.9	4.1	5.1	2.5	.4						13.1	13.1
WSW	.1	1.8	5.2	7.0	2.7	.6						16.6	13.0
W	.1	.2	1.7	3.7	1.1	.2						7.0	13.0
WNW		.1	.9	.4	.1							1.5	10.9
NW		.1	.2	.3								.6	11.0
NNW		.2	.2	.3								.8	9.1
VARBL													
CALM												1.6	
	1.6	17.1	36.1	32.0	9.5	1.9	.1					100.0	10.7

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1968
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 76-81

YEARS

MAY
MONTH

ALL WEATHER

CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.6	1.4	.2								2.4	7.8
NNE	.4	1.5	1.9	2.6	.4							7.2	9.7
NE	.5	1.3	2.0	1.3	.2							5.4	9.0
ENE		1.0	.8	.1	.1							1.9	7.4
E	.5	1.3	1.1									2.9	6.1
ESE		1.3	1.7	.2								3.8	7.1
SE	.4	1.6	2.0	.8								4.8	7.5
SSE	.3	4.2	1.8									6.4	6.0
S	1.0	4.6	3.1	1.0	.1							9.8	6.8
SSW	.3	3.3	2.7	2.0	.3							8.7	8.6
SW	.3	3.2	4.3	3.2	.9							12.0	9.9
WSW	.2	2.8	6.1	5.6	1.6							16.4	10.9
W		1.9	2.9	2.2	.2							7.2	9.6
WNW	.1	.4	.4	.4	.1							1.5	9.4
NW		.1	.5	.2								.9	10.3
NNW	.2	.3	.2									.8	5.4
VARBL													
CALM												8.0	
	4.5	30.5	33.2	19.8	4.0							100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 025069 OTIS AFB MA STATION NAME 69-70,73,76-81 YEARS MAY MONTH
2100-2300 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.2	1.1	.1								3.9	5.9
NNE	.6	1.3	1.5	1.2	.2							4.9	8.8
NE	.1	1.1	1.4	.9	.3							3.8	9.5
ENE	.2	.9	.5	.1								1.7	6.6
E	.1	.9	.5	.2	.3							2.1	8.7
ESE	.2	.8	.6	.3								1.9	7.4
SE	.5	1.6	1.6									3.8	6.0
SSE	.4	1.9	1.4									3.8	6.1
S	.8	3.7	2.4	1.0								7.1	6.9
SSW	1.0	2.9	2.1	1.3	.2							7.3	7.5
SW	1.0	2.6	3.3	2.1	.6							9.6	8.7
WSW	1.0	3.3	6.0	3.5	.2							14.0	8.9
W	.6	3.2	4.0	1.3								9.2	7.6
WNW	.1	1.7	.4	.4								2.7	6.8
NW	.3	1.5	.5	.4								2.8	6.7
NNW	.6	1.1	.5	.2								2.5	5.5
VARBL													
CALM												18.9	
	9.2	29.9	28.1	13.0	1.9							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 926

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

068 OTIS AFB MA 68-70, 73, 76-81 MAY
STATION MONTH
STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
ALL
MOUSE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.0	1.6	1.2	.2	.0						5.1	8.5
NNE	.3	1.2	2.1	2.3	.4	.1	.0					6.3	10.5
NE	.2	1.5	2.5	1.9	.6	.1						6.8	10.3
ENE	.1	.3	.9	.5	.2							2.6	9.3
E	.3	.8	.9	.3	.1							2.4	7.7
ESE	.1	.9	1.0	.4	.2							2.7	8.6
SE	.3	1.1	1.6	.4	.1	.0						3.4	7.7
SSE	.2	1.6	1.6	.3	.1							3.9	7.3
S	.5	2.9	3.1	1.2	.1	.0						7.8	7.8
SSW	.4	1.3	2.4	1.9	.3	.1	.0					6.9	9.5
SW	.5	2.1	3.1	2.7	1.0	.2						9.6	10.6
WSW	.3	2.3	4.9	4.2	1.0	.2						12.9	10.7
W	.5	2.3	3.3	2.0	.3	.0						8.5	9.0
WNW	.2	1.0	1.0	.5	.0							2.8	7.9
NW	.3	1.0	.9	.8								3.0	8.1
NNW	.3	1.1	.7	.3								2.4	6.6
VARBL													
CALM												12.9	
	4.7	24.5	31.6	21.0	4.6	.7	.0					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 7431

2
0
1
JUN 68
AFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10-068 OTIS AFB MA STATION NAME 68-70,73,75-80 YEARS JUN MONTH
CLASS ALL WEATHER
CONDITION 0000-0200 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.8	1.2	1.0		.1						4.7	8.1
NNE	.1	1.0	.9	.4	.1							2.6	8.6
NE	.1	.9	.6	.1								1.7	7.0
ENE	.2	.1	.8									1.1	7.2
E		.6	.6									1.1	6.7
ESE	.1	.4	.6									1.1	6.7
SE	.1	.4	.7	.6								1.8	8.6
SSE	.4	.7	.6	.1								1.8	6.0
S	.9	2.6	1.9	.7								6.0	6.5
SSW	.9	2.7	2.9	1.7	.1							8.2	8.0
SW	1.3	4.6	3.1	1.5								10.5	6.9
WSW	1.2	5.1	4.3	2.6	.1							13.3	7.7
W	.7	4.9	3.7	1.0	.1	.1						10.5	7.2
WNW	.2	1.0	1.5	.6								3.2	7.9
NW	.2	1.2	.8									2.2	5.7
NNW	.6	2.3	.6									3.5	5.2
VARBL													
CALM												26.6	
	7.6	30.4	24.5	10.2	.4	.2						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 894

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 68 OTIS AFB MA STATION NAME 68-70,73,75-80 YEARS JUN MONTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.1	1.6	.9		.1						5.4	7.5
NNE	.3	1.2	1.5	.4	.1							3.6	7.7
NE	.1	1.0	1.0	.4								2.6	7.3
ENE	.1	.1	.6	.2	.2							1.2	10.5
E	.2	.4	.4		.1							1.2	7.0
ESE		.6	.1	.3								1.0	8.1
SE	.2		.4	.3								1.0	9.0
SSE	.2	.7	.1	.1								1.1	5.4
S	.3	3.7	2.6	.1								6.7	6.3
SSW	.6	1.7	2.0	1.8								6.0	8.4
SW	.8	4.1	2.9	.7	.2							8.7	7.0
WSW	1.3	4.4	3.4	2.8								11.8	7.6
W	1.3	3.4	3.4	1.3								9.4	7.2
WNW	.1	1.3	1.7	.3								3.5	7.5
NW	.1	1.6	.9	.3								2.9	7.1
NNW	.4	2.7	.2	.1								3.5	5.1
VARBL													
CALM												30.4	
	6.9	28.9	22.7	10.3	.7	.1						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 895

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

06068
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

JUN
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	3.7	2.3	.6	.6							6.9	8.0
NNE		2.4	2.1	.7	.6							5.8	8.8
NE	.7	1.6	2.0	.3	.2							4.3	8.0
ENE	.6	.4	1.1	.7								2.8	7.9
E	.2	.7	.8									1.7	6.5
ESE	.3	.7	.2									1.2	4.8
SE	.1	.3	.6	.3								1.3	8.2
SSE	.2	.6	.4	.3								1.6	7.3
S	.3	2.8	2.3	.6								6.0	7.1
SSW	.2	2.9	3.8	1.1								8.0	8.0
SW	.6	3.1	5.4	2.4	.3	.1						12.0	8.8
WSW	.6	3.6	4.9	2.4								11.4	8.5
W	.3	4.3	4.2	2.7	.1							11.7	8.4
WNW		1.0	1.3	.6								3.8	7.7
NW	.1	2.4	1.3	.6	.1							4.6	7.1
NNW	.3	2.6	1.6	.6	.1							5.1	7.2
VARBL													
CALM												11.9	
	4.6	33.2	34.4	13.8	2.0	.1						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 900

SURFACE WINDS

STATION 69

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

JOHN
MORRIS

ALL WEATHER

CLASS

3980-1100

NOV 28 (L. A. T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.7	1.7	.9	.6							4.1	10.1
NNE	.3	.9	2.8	2.2	1.1	.2						7.6	11.5
NE	.3	1.3	2.7	1.2	.3	.1						6.4	9.1
ENE	.1	.7	.9	.7								2.3	8.7
E	.4	.7	.6	.4								2.1	7.1
ESE	.1	.9	.2	.3								1.6	6.9
SE		1.2	1.4									2.7	6.5
SSE		.9	2.3	.2								3.4	8.0
S		1.7	3.9	1.2								6.8	8.8
SSW	.4	1.2	3.8	1.6	.3							7.3	8.8
SW	.3	2.6	4.7	5.7	.7							13.9	10.6
WSW	.2	2.2	7.0	5.0	.2							14.7	10.0
W	.6	2.4	2.9	3.2	.4							9.6	9.3
WNW		1.6	2.2	.7								4.4	8.0
NW	.3	1.0	1.7	.8	.3							4.1	9.2
NNW	.1	1.1	1.3	.2	.1							2.9	8.0
VARBL													
CALM												6.1	
	3.7	21.4	40.0	24.3	4.1	.3						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 125068 OTIS AFB MA STATION NAME 68-70,73,75-80 YEARS JUN MONTH 1200-1400 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.0	1.6	1.7	.4	.1						4.9	10.9
NNE	.1	1.2	2.4	2.8	.6	.1						7.2	11.3
NE	.2	1.0	1.9	1.4	.2		.1					4.9	10.4
ENE	.1	1.3	1.6	.8	.2							4.0	8.8
E	.1	.6	.9	.2								1.8	7.4
ESE		1.1	.8	.1								2.0	6.6
SE		1.2	2.6	.3								4.1	8.0
SSE	.2	1.8	2.6	.7								5.2	7.9
S	.2	1.9	4.4	1.8	.2							8.6	9.0
SSW		1.4	4.8	3.7	.2							10.1	10.4
SW	.2	.8	5.3	9.0	1.0	.1						16.5	11.8
WSW		1.3	6.0	7.3	1.6	.1						16.4	11.8
W	.1	1.2	2.6	3.2	.4							7.6	10.8
WNW		.4	.9	.4	.1							1.9	9.9
NW	.1	.2	.8	.2								1.3	8.3
NNW	.2	.3	.2	.3	.1							1.2	9.1
VARBL													
CALM												2.3	
	1.9	16.8	39.3	34.0	5.1	.4	.1					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

75 08
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

JUN
MONTH

ALL WEATHER

CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	1.0	.9		.1						3.2	8.9
NNE	.6	.6	2.7	1.7	.3	.3						6.1	10.8
NE		1.6	2.2	1.6	.1	.1						5.6	9.3
ENE		.9	1.4	.8	.2							3.3	9.7
E	.4	.7	.2									1.3	4.9
ESE	.7	1.6	.8	.2								3.2	6.1
SE		1.7	2.1	.2	.1							4.3	7.4
SSE	.2	2.7	3.0	.6								5.8	7.6
S		3.6	4.4	.7	.1							8.8	7.7
SSW	.1	1.6	4.9	5.7	.7							12.9	11.1
SW		1.6	6.2	8.5	.7	.2						17.1	11.6
WSW		.9	3.9	9.7	1.8							16.2	12.7
W	.1	.9	2.3	3.0	.9							7.2	11.4
WNW		.1	.6	.6	.3							1.6	12.6
NW	.1	.1	.2	.7	.1							1.2	11.4
NNW		.1	.3									.4	8.5
VARBL													
CALM												1.6	
	2.6	18.8	36.4	34.6	5.3	.8						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

775 68
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

JUN

MONTH

ALL WEATHER

CLASS

1800-2000

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.9	.6	.2								1.9	6.6
NNE		1.7	1.3	1.2	.6							4.8	10.0
NE	.2	1.9	1.2	.2	.1							3.7	7.1
ENE	.1	.9	1.0	.8								2.8	8.5
E	.7	1.7	.2									1.9	4.4
ESE	.4	.6	.2									1.2	4.8
SE	.8	2.2	1.4									4.4	5.7
SSE	.9	2.4	1.7									5.0	5.7
S	1.4	5.2	2.6	.8								10.0	6.1
SSW	.8	2.8	5.5	2.6	.1							11.7	8.6
SW	.1	2.2	7.3	4.7	.2							14.6	10.0
WSW	.4	3.9	7.8	5.3	.3							16.9	9.8
W	.1	2.3	3.4	1.3	.2							7.5	8.7
WNW		.6	.3		.1	.1						1.1	9.1
NW		.3	.2	.8								1.3	10.5
NNW	.1	.3	.4									.9	6.6
VARBL													
CALM												10.3	
	6.3	28.4	35.3	17.9	1.7	.1						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

125169
STATION

OTIS AFB MA

STATION NAME

68-70,73,75-80

YEARS

JUN

MONTH

ALL WEATHER

CLASS

2100-2300

HOURE (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.6	1.4	.8								4.2	7.6
NNE	.2	.8	1.0	.3								2.3	7.7
NE	.1	.6	.4	.7								1.8	8.8
ENE	.2	.4	.3	.4								1.8	7.3
E	.4	1.0	.1									1.6	4.6
ESE	.1	.4	.7	.2	.1							1.6	8.0
SE	.6	.8	.4	.1								1.9	5.5
SSE	1.1	1.4	.9	.2								3.7	5.6
S	1.2	3.0	2.3	.3								6.9	6.2
SSW	1.2	4.5	4.0	1.4	.2							11.4	7.1
SW	.6	4.5	5.3	1.8	.1							12.2	7.6
WSW	.6	5.0	4.1	3.3	.4							13.5	8.6
W	.3	3.6	3.1	.9	.2							8.1	7.5
WNW		.3	1.1	.2		.1						1.8	9.5
NW	.1	1.0	.6	.2	.3							2.2	8.5
NNW	.2	.7	.7	.1								1.7	6.5
VARBL													
CALM												23.4	
	7.5	29.8	26.6	11.1	1.4	.1						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

JUN 68
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

JUN

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.5	1.4	.9	.2	.1						4.4	8.5
NNE	.2	1.2	1.8	1.2	.4	.1						5.0	10.3
NE	.2	1.3	1.5	.8	.1	.7	.0					3.9	8.7
ENE	.2	.7	1.0	.5	.1							2.4	8.6
E	.3	.7	.5	.1	.0							1.6	6.1
ESE	.2	.8	.4	.2	.0							1.6	6.5
SE	.2	1.0	1.2	.2	.0							2.7	7.1
SSE	.4	1.3	1.4	.3								3.5	6.9
S	.6	3.0	3.1	.8	.0							7.5	7.2
SSW	.5	2.3	4.0	2.4	.2							9.5	8.9
SW	.5	2.9	5.1	4.3	.4	.1						13.2	9.6
WSW	.5	3.2	5.2	4.8	.6	.0						14.3	9.8
W	.4	2.9	3.2	2.1	.3	.0						8.9	8.7
WNW	.0	.9	1.2	.4	.1	.0						2.7	8.5
NW	.1	1.0	.8	.4	.1							2.5	8.1
NNW	.3	1.3	.7	.2	.0							2.4	6.7
VARBL													
CALM												14.1	
	5.1	26.0	32.4	19.5	2.6	.3	.0					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

7184

CLERICAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

070068
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

JUL

MONTH

ALL WEATHER

CLASS

0000-0200

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.3	1.7	.2								3.9	5.9
NNE	.2	.9			.2							1.3	7.0
NE	.1	.5	.5		.1							1.3	7.6
ENE		.3	.1	.3								.8	8.7
E	.1	.5	.3									1.0	5.7
ESE	.2	.1	.1									.4	4.5
SE	.1	.3	.3									.8	6.9
SSE	.2	.8	.5									1.5	5.9
S	1.2	2.6	1.4	.8	.1							6.0	6.5
SSW	.6	2.5	3.0	.9								7.0	7.3
SW	1.2	5.7	4.5	2.4								13.8	7.3
WSW	1.1	5.8	8.0	3.0								17.9	8.1
W	1.0	3.6	3.1	.5								8.2	6.5
WNW	.4	1.4	.4	.1								2.4	5.5
NW	.9	1.2	.5									2.6	4.8
NNW	.4	1.8	1.0	.1								3.3	6.2
VARBL													
CALM												27.8	
	8.2	30.3	24.9	8.3	.4							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 1968
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

JUL

MONTH

ALL WEATHER

CLASS

0300-0500

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.7	1.0	.5								4.5	6.5
NNE		1.2	.5	.1								1.8	6.6
NE	.1	1.0	.4	.1	.1							1.7	7.4
ENE	.3	.3	.3									1.0	5.1
E		.5	.4									1.0	6.3
ESE	.1	.1		.1								.3	7.3
SE	.1	.3										.4	4.0
SSE	.3	.9	.4	.1								1.7	6.1
S	.5	3.0	2.3	.5								6.4	6.7
SSW	.5	2.5	3.2	.3	.1							6.7	7.1
SW	1.0	3.1	4.0	1.3								9.4	7.4
WSW	.5	6.4	5.9	2.1								14.9	7.7
W	.8	4.8	2.5	.8								8.8	6.4
WNW	.8	1.7	.8									3.2	5.3
NW	.6	2.1	1.7									4.4	6.0
NNW	.3	2.8	.9	.1								4.1	5.5
VARBL													
CALM												29.5	
	6.4	33.4	24.4	6.1	.2							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

925

GLOBAL CLIMATOLOGY BRANCH
SAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

075068
STATION

OTIS AFB MA

STATION NAME

68-70,73,75-80

YEARS

JUL
MONTH

ALL WEATHER

CLASS

0600-0800

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.7	3.1	1.4	.1							8.2	7.8
NNE	.5	1.7	.9	1.0	.1							4.2	7.5
NE	.1	1.1	1.0	.6	.2							3.0	8.8
ENE	.5	.6	.3	.1	.1							1.7	6.4
E	.4	.5	.1	.1	.1							1.3	6.4
ESE	.2	.4	.3									1.0	5.6
SE	.1	1.4	.6									2.2	5.7
SSE	.2	1.4	.3									1.9	5.6
S	.8	3.1	3.2	.3								7.4	6.8
SSW	.4	2.0	3.7	1.2								7.3	8.1
SW	.3	3.8	3.8	1.9								9.8	8.1
WSW	.4	4.7	4.6	4.0	.2							14.0	8.7
W	.5	4.6	3.7	1.4								10.2	7.3
WNW	.5	1.2	1.2	.1								3.0	6.6
NW	.5	2.8	2.0	.4								5.8	6.8
NNW	.1	2.4	1.7	.4								4.6	6.9
VARBL													
CALM												14.3	
	6.7	34.6	30.6	13.0	.9							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72506P STATION 0T15 AFB MA STATION NAME 68-70,73,75-80 YEARS JUL NORTH
0900-1100 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	2.4	2.2	.4							6.6	9.7
NNE	.3	1.6	2.2	1.8	.3							6.2	9.5
NE	.2	1.0	1.3	.5	.1							3.1	8.5
ENE	.4	1.2	.5	.1	.3							2.6	7.6
E	.3	1.0	.4		.3							2.0	7.7
ESE		.8	.3									1.1	6.1
SE	.2	1.0	1.5	.3								3.0	7.4
SSE		1.4	1.7	.4								3.5	8.1
S		2.0	4.4	1.2	.1							7.7	8.5
SSW	.2	1.7	2.8	1.8								6.6	8.8
SW	.1	2.4	4.4	3.9	.3							11.1	9.8
WSW		2.7	7.2	6.9	1.0							17.7	10.6
W	.4	4.3	3.3	1.8								9.9	7.8
WNW	.1	2.3	2.0	.2	.1							4.7	7.3
NW		1.6	1.6	.2								3.4	7.5
NNW	.4	1.1	2.2	.4	.2							4.3	8.1
VARBL													
CALM												6.3	
	3.2	27.1	38.3	21.8	3.2							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 930

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 68 OTIS AFB MA STATION NAME 68-70,73,75-80 YEARS JUL MONTH
1200-1400 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.8	1.7	1.3	.2							4.1	9.8
NNE	.2	.2	3.1	.9	.3							4.7	9.8
NE		.9	2.8	1.4	.2							5.3	9.8
ENE		1.2	.9	.2	.1							2.4	8.0
E	.1	.5	.6	.1	.1							1.6	7.1
ESE		.8	.2									1.0	5.6
SE	.4	.5	1.2	.4								2.6	7.5
SSE		1.2	2.0	.5								3.8	8.1
S	.2	1.9	5.1	1.1	.1							8.4	8.4
SSW		1.6	5.4	3.7	.4							11.1	10.3
SW		1.5	5.1	6.9	1.0							14.4	11.2
WSW	.2	1.5	10.0	7.7	1.5							21.0	11.1
W		2.6	3.5	2.6	.5							9.2	9.8
WNW	.2	.9	.9									1.9	6.6
NW	.1	.4	.8	.9								2.2	10.0
NNW		.2	.5	.1								.9	8.0
VARBL													
CALM												5.6	
	1.6	16.8	43.8	27.7	4.5							100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

05068
STATION

OTIS AFB MA
STATION NAME

68-70,73,75-80
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5	1.6	.8	.2							3.1	9.9
NNE		.3	1.9	.4								3.1	8.7
NE	.2	.5	2.0	1.2	.2							4.3	9.6
NNE	.2	1.1	.8	.2	.2							2.5	8.1
E	.3	1.0	.2	.1								1.6	5.6
ESE	.6	1.0	.6									2.3	5.3
SE	.2	1.5	1.4									3.1	6.2
SSE	.4	1.3	1.6	.1								4.0	6.4
S	.3	2.8	5.5	1.4								10.0	8.0
SSW	.1	2.0	6.0	3.3	.3							11.8	9.8
SW		1.1	8.1	6.9	.6							16.7	11.1
WSW	.1	1.9	8.8	13.0	1.8							25.7	11.8
W		.8	2.3	2.4	.2							5.6	10.9
WNW		.1	.2	.4								.8	10.6
NW		.1	.8	.6	.1							1.6	11.1
NNW		.1	.5									.6	7.3
VARBL													
CALM												3.1	
	2.6	17.2	42.4	30.9	3.8							100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

105063 STATION 0TIS AFB MA 68-70,73,75-80 JUL NORTH
STATION NAME YEARS
ALL WEATHER CLASS
1800-2000 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.3	.8	.2								2.6	6.3
NNE	.1	.4	.3	.3								1.2	7.8
NE	.3	.9	1.3									2.5	6.1
ENE	.1	1.1	.5	.2	.1							2.1	7.7
E	.6	.9	.2									1.7	4.3
ESE	.4	1.0	.2									1.6	4.9
SE	.2	1.3	.1									2.2	4.9
SSE	.8	2.8	.6	.1								4.3	5.1
S	1.3	4.3	4.0	.8								10.4	6.7
SSW	.2	4.1	3.1	1.5								9.0	7.7
SW	.6	4.6	8.9	5.3	.2							19.7	9.0
WSW	.5	4.5	10.6	7.0	.4							23.1	9.6
W	.2	1.9	3.1	1.4								6.7	8.6
WNW		.4	.5	.2								1.2	8.2
NW	.1	.2	.2	.3								.9	8.6
NNW		.3	.5									.9	7.5
VARBL													
CALM												10.1	
	5.9	30.7	35.1	17.4	.8							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 925

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 125068 STATION NAME OTIS AFB MA YEARS 68-70, 73, 75-80 MONTH JUL
CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.6	.8	.1								2.9	5.7
NNE	.2	.4	.5		.1							1.3	7.1
NE	.1	.5	.3	.1								1.1	6.7
ENE	.1	.4	.1	.1	.1							.9	8.1
E	.3	.5	.1									1.0	4.4
ESE	.2	.4	.3									1.0	5.8
SE	.2	1.0	.1									1.3	4.9
SSE	.4	1.3	.1									2.4	4.4
S	1.4	4.5	2.1	.5								8.5	5.8
SSW	.5	3.1	3.8	1.4								8.9	7.5
SW	1.1	6.0	4.6	2.2	.5							14.5	7.7
WSW	1.0	6.3	9.3	4.0								20.5	8.3
W	.5	3.1	3.0	1.2	.1							8.0	7.8
WNW		.6	.2									.9	5.8
NW	.2	.9	.9									1.9	5.8
NNW	.4	1.1	.3	.2								2.1	5.9
VARBL													
CALM												23.0	
	7.2	32.5	26.6	9.8	.9							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 926

ALPACAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

770068
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.6	1.5	.8	.1							4.5	7.9
NNE	.2	.2	1.2	.6	.1							3.0	8.5
NE	.1	.2	1.2	.5	.1							2.8	8.6
ENE	.2	.2	.4	.2	.1							1.7	7.5
E	.3	.7	.3	.0	.1							1.4	6.1
ESE	.2	.4	.3	.0								1.1	5.5
SE	.2	1.7	.7	.1								1.9	6.3
SSE	.3	1.7	.9	.2								2.9	6.4
S	.7	3.7	3.5	.8	.0							8.1	7.2
SSW	.3	2.5	3.9	1.8	.1							8.5	8.5
SW	.5	3.5	5.4	3.8	.3							13.7	9.1
WSW	.5	4.2	8.1	6.0	.6							19.4	9.7
W	.4	3.2	3.1	1.5	.1							8.3	8.0
WNW	.3	1.1	.8	.1	.0							2.3	6.6
NW	.3	1.2	1.1	.3	.0							2.9	7.1
NNW	.2	1.2	1.0	.2	.0							2.6	6.7
VARBL													
CALM												15.0	
	5.2	27.8	33.3	16.9	1.8							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

7421

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 0068 OTIS AFB MA STATION NAME 68-70,73,75-80 YEARS AUG
 CLASS ALL WEATHER MONTH 0000-0200
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.5	.2								4.5	5.9
NNE		.5	.8	.2								1.5	7.0
NE	.2	1.1	.4	.8								2.5	8.6
ENE	.1	.2	.3	.3								1.0	8.3
E	.2	.2	.7									1.1	6.5
ESE	.2	.3	.2									.8	5.3
SE	.1		.1									.2	6.5
SSE	.5	.2	.3		.3							1.4	7.8
S	.3	2.4	.9	.1								3.7	5.4
SSW	.4	2.3	1.8	1.2	.3							6.0	8.0
SW	1.4	3.5	2.0	.7	.1							7.7	6.2
WSW	1.1	5.6	6.1	2.5	.1	.1						15.6	7.8
W	.8	4.2	3.3	.8								9.0	6.7
WNW	.2	1.1	.3	.1								1.8	5.4
NW	1.0	1.1	1.4	.1								3.6	5.9
NNW	.5	2.5	1.1	.2	.1	.1						4.6	6.3
VARBL													
CALM												35.0	
	8.2	27.1	21.3	7.2	1.0	.2						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 912

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION OTIS AFB MA STATION NAME OTIS AFB MA YEARS 68-70, 73, 75-80 MONTH AUG
CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.4	2.0	.2								6.0	5.7
NNE	.2	.5	.8	.5	.2							2.3	9.5
NE		.7	.8	.9								2.3	9.7
ENE	.1	.3	.3	.3								1.1	8.9
E	.4	.3	.2									1.0	4.2
ESE													
SE	.1											.1	2.0
SSE	.1	.5	.4									1.1	6.3
S	1.1	2.5	1.0	.1	.1	.1						4.9	6.1
SSW	.4	1.5	1.5	.8	.4							4.7	8.7
SW	1.1	3.5	2.6	.9								8.1	6.7
WSW	.4	4.7	3.9	2.3	.2							11.6	8.0
W	1.0	3.3	1.9	1.2								7.3	6.8
WNW	.8	.9	.3	.1	.1							2.2	5.4
NW	1.1	2.1	1.9	.2								5.2	5.8
NNW	1.3	3.8	.5	.2	.1							6.0	5.1
VARBL													
CALM												36.2	
	9.6	27.0	18.1	7.7	1.2	.1						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 917

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

120068
STATION

OTIS AFB MA
STATION NAME

68-70, 73, 75-80
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.8	3.6	1.1								9.5	7.1
NNE	.8	2.0	1.6	1.1	.1							5.5	7.8
NE	.2	1.1	1.5	.5								3.4	8.0
ENE	.1	.9	1.2	.2	.2							2.6	8.8
E	.3	.5	.5	.3								1.7	6.8
ESE	.2	.3										.5	4.0
SE		.2	.2	.1								.5	7.0
SSE	.2	.9	.3									1.4	5.5
S	.3	1.1	2.1	.2								3.7	7.0
SSW	.7	1.9	2.1	.3	.1	.1						5.1	7.3
SW	.5	2.1	3.4	2.1	.2		.1					8.3	9.0
WSW	.7	3.7	4.4	3.0	.2							12.0	8.5
W	1.2	4.0	4.0	.9	.2							10.3	7.0
WNW	.7	2.3	1.0	.9								4.8	6.9
NW	.7	1.5	2.4	.5								5.1	7.2
NNW	1.2	2.6	1.3	.5								5.6	6.0
VARBL													
CALM												19.8	
	3.8	28.7	29.6	11.8	1.1	.1	.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 923

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00068
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

AUG

MONTH

ALL WEATHER

CLASS

0900-1100

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.5	2.5	2.3								7.9	8.2
NNE	.4	2.4	3.7	2.1								8.6	8.8
NE	.5	1.8	3.3	1.4	.4							7.5	8.9
ENE	.5	1.3	1.4	.7	.3	.1						4.3	8.7
E	.2	.9	.1	.1								1.3	5.4
ESE	.1	.2	.2									.5	5.0
SE	.1	.8	.5	.1								1.5	6.6
SSE		.9	.3									1.2	5.9
S	.2	1.7	2.0	2.1	.1							6.1	9.3
SSW	.1	2.0	1.8	.4	.1							4.4	7.6
SW	.4	1.2	5.1	3.1	.7							10.5	10.2
WSW	.7	2.5	4.9	4.9	1.4							14.3	10.6
W	.8	1.8	5.4	2.1	.1							10.2	8.7
WNW	.1	1.5	2.2	1.2	.1							5.1	9.1
NW	.4	1.0	1.5	.8	.1							3.8	8.1
NNW		1.1	.9	.8	.2							2.9	9.4
VARBL													
CALM												9.9	
	5.3	23.5	35.8	21.9	3.6	.1						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

923

JOURNAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

005068
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

AUG
MONTH

ALL WEATHER

CLASS

1200-1400

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.5	2.3	.5								4.4	7.7
NNE	.2	2.7	3.6	2.3	.2	.1						9.1	9.1
NE	.9	2.7	1.7	1.9	.3	.1						7.7	8.5
ENE	.5	1.9	1.0	.6	.8							4.9	8.7
E	.5	1.7	.4	.1	.1							2.9	5.7
ESE	.2	1.0	.5									1.7	6.0
SE	.2	.4	.6									1.3	6.1
SSE		1.1	1.0	.4								2.5	7.8
S		1.7	3.3	1.3	.5							6.9	9.4
SSW		1.0	2.9	1.2	.1							5.2	9.3
SW	.1	1.5	4.6	5.2	1.2	.1						12.7	11.4
WSW		1.6	7.1	8.3	2.6							19.7	11.8
W		1.8	4.2	2.4	.6							9.1	10.0
WNW	.3	.6	1.0	.8								2.7	8.8
NW		.4	1.3	.1	.2							2.4	8.6
NNW	.1	.3	.3	.4								1.2	9.5
VARBL													
CALM												5.7	
	3.2	22.5	36.0	25.6	6.7	.3						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

120060
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

AUC

MONTH

ALL WEATHER

CLASS

1500-1700

HOURLY (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	1.2	.2	.2							2.0	9.3
NNE	.1	2.5	2.9	.9	.1	.1						6.6	8.1
NE	.2	3.6	2.7	1.2	.3							8.0	7.9
ENE	.1	1.8	1.0	1.0	.1							4.0	8.6
E	.3	1.1	.4									1.8	5.4
ESE	.1	.9	.2									1.2	5.5
SE	.4	2.0	.3									2.8	4.8
SSE	.6	1.9	1.0	.5								4.1	6.6
S	.5	3.1	4.0	1.2								8.8	7.6
SSW		1.5	2.6	.8	.2							5.1	8.7
SW	.1	2.4	5.7	6.2	1.2	.1						15.7	11.1
WSW	.3	2.3	7.8	11.2	1.8	.1						23.5	11.5
W	.1	1.2	3.3	2.0	.6							7.3	10.4
WNW		.3	.6	.5	.1							1.6	10.7
NW	.2	.2	.3	.4								1.2	8.3
NNW			.8	.4	.1							1.3	11.3
VARBL													
CALM												5.0	
	3.3	25.1	34.8	26.6	4.8	.3						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF Weather Service/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

125068
STATION

OTIS AFB MA
STATION NAME

68-70,73,75-80
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	1.0	.2	.1	.2						3.0	7.8
NNE	.5	1.4	1.5	.3	.1							3.9	7.3
NE	.4	2.2	.8	.1								3.4	5.3
ENE	.2	1.7	1.0	.5	.1							3.6	7.7
E	.4	.2	.2	.1								1.0	5.4
ESE	.2	.4										.6	3.7
SE	.5	.5	.2	.1								1.4	5.0
SSE	1.2	1.4	.5									3.1	4.5
S	1.1	3.8	2.5	.2								7.5	6.0
SSW	.9	2.9	2.6	1.2	.1							7.7	7.5
SW	1.2	5.9	6.1	3.4								16.7	7.7
WSW	.6	4.3	6.7	4.3	1.0							16.9	9.2
W	.4	3.4	3.2	1.4	.4							8.9	8.4
WNW	.2	1.0	1.1	.1								2.4	6.8
NW	.1	.5	.3									1.0	6.6
NNW	.2	.3	.2	.2								1.0	6.7
VARBL													
CALM												17.9	
	8.7	31.1	27.9	12.3	1.8	.2						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

708068
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

YEARS

AUG

MONTH

ALL WEATHER

CLASS

2100-2300

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.1	1.1			.1						3.5	6.4
NNE	.1	.9	.4	.2								1.6	6.5
NE	.1	.9	.2	.3								1.5	7.5
ENE		.8	.5	.4	.1							1.8	8.5
E	.5	1.0	.2		.1							1.8	5.3
ESE		.2	.1									.3	6.3
SE		.2	.2									.4	6.5
SSE	.2	.1	.4	.2	.1							1.1	9.0
S	.5	1.9	.8	.4								3.7	6.1
SSW	.4	2.4	1.6	1.3								5.7	7.7
SW	1.5	3.7	4.8	1.2	.1							11.2	7.1
WSW	.8	5.8	6.3	2.6	.4							15.9	8.1
W	1.0	4.4	2.7	1.4	.1							9.6	7.2
WNW	.3	1.3	.4	.2								2.3	6.1
NW	.8	1.2	.5	.2								2.7	5.3
NNW	.8	1.9	.4			.2						3.3	6.0
VARBL													
CALM												33.5	
	7.2	28.7	20.7	8.5	1.0	.3						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

926

NATIONAL CLIMATOLOGY BRANCH
 METAC
 WEATHER SERVICE/MAC

RELATIVE HUMIDITY

68
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 76-81

PERIOD

FEB

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	97.6	91.3	78.7	63.8	44.3	24.4	8.1	66.3	849
	03-05	100.0	100.0	99.2	94.1	83.1	62.2	44.3	26.2	7.0	67.2	845
	06-08	100.0	100.0	98.9	93.7	83.2	63.2	43.6	24.6	5.3	66.9	845
	09-11	100.0	99.9	95.2	87.1	67.3	47.3	30.0	17.8	4.3	60.4	847
	12-14	100.0	99.9	92.0	77.5	55.6	37.5	25.2	14.4	4.4	56.1	845
	15-17	100.0	99.3	92.3	77.1	57.5	39.7	28.0	17.5	6.6	57.1	847
	18-20	100.0	99.9	96.0	87.2	70.7	52.7	37.2	22.0	7.8	62.8	842
	21-23	100.0	100.0	97.4	90.0	75.9	60.0	43.4	24.3	7.0	65.4	846
TOTALS		100.0	99.9	96.1	87.3	71.5	53.3	37.0	21.4	6.3	62.6	6765

USAFETACFORM
HE-44

0-87-5 (OL A)

RELATIVE HUMIDITY

MAR
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	99.3	95.0	87.7	75.8	58.1	38.8	11.6	72.0	905
	03-05	100.0	100.0	99.7	96.6	89.5	76.4	57.3	40.5	12.8	72.8	906
	06-08	100.0	100.0	99.0	96.8	87.1	71.5	54.1	34.9	12.4	71.0	906
	09-11	100.0	99.9	96.7	83.1	65.1	45.0	30.7	21.2	8.1	60.6	901
	12-14	100.0	99.3	93.1	75.4	53.4	36.3	25.1	17.1	5.4	56.1	901
	15-17	100.0	99.7	94.6	80.5	60.2	41.8	28.1	17.5	6.1	58.3	906
	18-20	100.0	100.0	98.1	89.5	79.3	62.5	43.7	27.2	9.2	66.4	904
	21-23	100.0	100.0	99.4	93.7	85.3	73.6	55.8	34.4	9.9	70.7	905
TOTALS		100.0	99.9	97.5	88.8	76.0	60.4	44.1	29.0	9.4	66.0	7234

2

LOCAL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

RELATIVE HUMIDITY

6-
STATION

OTIS AFB MA

STATION NAME

68-70,73,76-81

PERIOD

APR
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
PR	00-02	100.0	100.0	99.9	97.3	92.3	80.4	62.8	42.1	13.7	74.6	900
	03-05	100.0	100.0	100.0	99.2	93.0	82.8	63.6	47.6	16.8	76.0	899
	06-08	100.0	100.0	99.7	95.3	83.4	68.2	49.9	33.0	13.3	70.0	900
	09-11	100.0	99.8	93.1	74.7	56.0	37.5	24.9	17.0	6.9	56.7	899
	12-14	100.0	98.8	86.4	65.9	48.4	32.5	21.9	12.6	5.1	52.9	898
	15-17	100.0	98.6	91.4	74.1	51.3	38.5	25.7	14.8	5.9	55.5	898
	18-20	100.0	99.9	97.0	92.2	79.6	61.7	42.5	24.8	9.0	56.2	899
	21-23	100.0	100.0	99.1	96.2	90.4	80.7	62.6	37.3	11.5	73.5	898
TOTALS		100.0	99.6	95.8	86.9	74.3	60.3	44.2	28.7	10.3	65.7	7191

USAFETAC

FORM
JUL 84

0-87-5 (OL A)

AL - AL CLIMATOLOGY BRANCH
METAC
WEATHER SERVICE/MAC

RELATIVE HUMIDITY

65
STATION

CTIS AF3 MA

STATION NAME

68-70, 73, 76-81

PERIOD

367

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	99.9	99.4	97.7	92.2	81.8	55.8	20.9	80.6	930
	03-05	100.0	100.0	100.0	99.6	98.0	93.7	81.8	59.2	22.8	81.2	930
	06-08	100.0	100.0	99.7	96.6	89.5	77.6	61.4	39.7	17.3	73.9	930
	09-11	100.0	99.5	96.9	83.6	66.4	49.7	37.9	22.6	8.9	62.2	929
	12-14	100.0	99.1	94.1	76.6	59.8	42.8	29.4	17.6	5.2	56.3	928
	15-17	100.0	99.5	95.7	83.5	66.3	48.2	30.9	16.3	5.6	60.6	930
	18-20	100.0	100.0	99.5	96.9	90.1	75.8	55.6	31.2	9.2	71.7	925
	21-23	100.0	100.0	99.8	99.4	97.0	90.5	77.8	49.9	15.9	79.0	926
TOTALS		100.0	99.8	98.2	92.0	83.1	71.3	57.1	36.8	13.2	70.9	7428

LOCAL CLIMATOLOGY BRANCH
METAC
WEATHER SERVICE/MAC

RELATIVE HUMIDITY

77068
STATION

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

PERIOD

JUN

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10°	20°	30°	40°	50°	60°	70°	80°	90°		
JUN	00-02	100.0	100.0	100.0	100.0	99.6	98.3	91.9	73.3	37.4	86.5	894
	03-05	100.0	100.0	100.0	100.0	99.7	98.6	94.4	76.7	38.8	86.9	896
	06-08	100.0	100.0	100.0	99.7	97.1	89.3	76.2	54.1	21.3	79.9	893
	09-11	100.0	100.0	99.8	96.2	81.4	67.3	45.7	25.6	10.4	68.4	900
	12-14	100.0	100.0	99.6	94.0	76.5	57.4	35.5	20.8	6.7	64.5	899
	15-17	100.0	100.0	99.6	96.7	80.6	64.2	43.2	24.1	10.0	67.4	899
	18-20	100.0	100.0	99.8	99.1	95.5	86.3	67.5	42.3	16.9	76.5	899
	21-23	100.0	100.0	100.0	99.9	99.0	97.9	89.1	64.0	29.6	84.1	893
TOTALS		100.0	100.0	99.9	98.2	91.2	82.4	67.9	47.6	21.5	76.7	7182

LOCAL CLIMATOLOGY BRANCH
METAC
WEATHER SERVICE/HAC

RELATIVE HUMIDITY

26
STATION

GTIC AFB MA

STATION NAME

69-70, 73, 75-80

PERIOD

JUL

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	99.4	96.7	90.4	69.9	33.3	85.1	929
	03-05	100.0	100.0	100.0	100.0	99.8	97.4	92.1	72.3	32.9	85.6	928
	06-08	100.0	100.0	100.0	99.9	98.3	90.9	76.5	53.5	20.1	79.7	930
	09-11	100.0	100.0	99.5	97.1	84.6	65.9	44.7	24.8	4.6	67.0	929
	12-14	100.0	99.9	98.9	92.8	79.4	55.2	33.7	15.5	2.7	63.3	930
	15-17	100.0	100.0	99.6	95.6	82.2	59.9	39.8	19.1	3.6	65.3	928
	18-20	100.0	100.0	99.9	98.8	94.4	84.9	65.2	40.2	13.7	75.6	926
	21-23	100.0	100.0	100.0	99.8	99.0	96.0	85.5	64.9	24.7	82.9	926
TOTALS		100.0	100.0	99.7	98.0	92.1	80.9	66.0	45.0	17.0	75.6	7426

USAFETACFORM
H.M. 64

0-87-5 (OL A)

RELATIVE HUMIDITY

STATION

UTIS AFB MA

STATION NAME

68-70, 73, 75-80

PERIOD

200
MON

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	99.9	98.8	92.7	72.9	29.4	85.2	889
	03-05	100.0	100.0	100.0	100.0	99.9	99.0	95.1	75.5	30.4	86.1	894
	06-08	100.0	100.0	100.0	100.0	98.8	94.3	80.7	58.8	19.8	81.1	900
	09-11	100.0	100.0	99.8	98.2	88.7	65.9	44.2	22.9	6.1	68.3	899
	12-14	100.0	100.0	100.0	96.0	77.7	55.2	32.4	13.4	4.2	63.5	902
	15-17	100.0	100.0	99.9	97.7	85.0	64.2	40.7	20.7	5.8	66.8	904
	18-20	100.0	100.0	100.0	99.9	98.1	90.9	73.1	46.9	12.9	77.5	904
	21-23	100.0	100.0	100.0	100.0	99.8	98.2	90.6	67.6	22.9	83.0	902
TOTALS		100.0	100.0	100.0	99.0	93.5	83.3	68.7	47.3	16.4	76.6	7194

NATIONAL CLIMATOLOGY BRANCH
 METAC
 WEATHER SERVICE/MAC

RELATIVE HUMIDITY

64
STATION

CTIS AFB MA

STATION NAME

68-70, 73, 75-80

PERIOD

SEF

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JF	00-02	100.0	100.0	100.0	100.0	99.6	96.9	90.7	70.0	22.2	84.0	650
	03-05	100.0	100.0	100.0	99.9	99.8	99.1	93.0	72.4	26.9	85.2	845
	06-08	100.0	100.0	100.0	100.0	100.0	95.5	83.5	56.8	19.8	81.6	847
	09-11	100.0	100.0	100.0	97.2	83.3	63.0	38.2	23.7	7.5	67.1	843
	12-14	100.0	100.0	99.5	92.9	73.3	50.2	30.0	17.9	4.7	62.5	847
	15-17	100.0	100.0	99.8	96.4	83.0	62.3	38.8	22.5	7.2	66.5	853
	18-20	100.0	100.0	100.0	99.9	98.6	93.0	74.6	45.8	11.6	78.4	855
	21-23	100.0	100.0	99.9	99.9	99.2	96.0	88.3	62.9	19.1	82.5	857
TOTALS		100.0	100.0	99.9	98.3	92.1	82.0	67.1	46.5	14.9	76.0	6797

GLOBAL CLIMATOLOGY BRANCH
FAC
AND WEATHER SERVICE/MAC

RELATIVE HUMIDITY

STATION

OTIS AFB MA

STATION NAME

62-70, 73, 75-80

PERIOD

307

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JULY	00-02	100.0	100.0	100.0	99.9	97.1	87.5	71.5	51.7	18.7	73.4	925
	03-05	100.0	100.0	100.0	100.0	98.7	91.3	77.0	53.9	18.7	79.6	927
	06-08	100.0	100.0	100.0	99.9	97.8	88.1	71.0	48.3	13.9	77.6	925
	09-11	100.0	100.0	99.8	95.5	77.5	58.4	38.1	22.0	4.9	65.3	930
	12-14	100.0	100.0	98.5	86.5	68.1	48.4	29.3	16.0	4.7	60.9	929
	15-17	100.0	100.0	99.5	91.2	78.2	60.9	40.3	21.1	7.1	65.6	930
	18-20	100.0	100.0	100.0	99.0	91.5	82.2	63.5	39.7	11.3	74.6	930
	21-23	100.0	100.0	100.0	99.7	95.4	83.7	68.9	48.6	16.3	77.0	930
TOTALS		100.0	100.0	99.7	96.5	88.0	75.1	57.5	37.7	12.0	72.4	7426

GENERAL CLIMATOLOGY BRANCH
SHEFTAC
AIR FLATHER SERVICE/MAC

RELATIVE HUMIDITY

STATION

OTIS AFB MA

STATION NAME

68-70, 73, 75-80

PERIOD

NOV
MONT

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10°	20°	30°	40°	50°	60°	70°	80°	90°		
NOV	00-02	100.0	100.0	100.0	99.6	95.2	83.1	65.4	48.5	23.0	77.1	806
	03-05	100.0	100.0	100.0	99.8	96.0	84.3	68.0	49.3	22.4	77.7	807
	06-08	100.0	100.0	100.0	100.0	96.3	82.5	67.3	47.8	21.2	77.4	887
	09-11	100.0	100.0	99.8	95.7	80.4	62.8	47.0	32.4	15.6	69.0	887
	12-14	100.0	100.0	98.6	84.9	68.5	51.6	36.1	21.6	10.8	62.8	888
	15-17	100.0	100.0	98.9	89.0	75.2	58.8	43.1	29.2	10.5	66.2	891
	18-20	100.0	100.0	99.7	98.3	87.4	74.5	57.5	36.7	17.0	73.0	890
	21-23	100.0	100.0	99.7	99.4	92.4	79.2	62.2	43.5	21.3	75.5	891
TOTALS		100.0	100.0	99.6	95.8	86.4	72.1	55.8	38.9	17.7	72.3	6947

USAFETAC

FORM
11-64

0-87-5 (OL A)

RELATIVE HUMIDITY

DEC
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JULY	00-02	100.0	100.0	99.0	95.5	86.2	69.4	50.4	35.0	13.4	70.6	605
	03-05	100.0	100.0	99.7	96.2	89.5	72.2	51.9	33.9	14.3	71.3	799
	06-08	100.0	100.0	99.9	96.6	89.3	72.7	54.7	35.9	14.9	71.9	895
	09-11	100.0	100.0	97.4	90.7	75.6	56.7	40.7	27.2	12.3	65.7	906
	12-14	100.0	99.6	94.8	82.6	63.2	45.8	34.3	20.5	10.8	60.6	908
	15-17	100.0	99.6	95.7	84.6	67.8	52.5	37.9	24.4	11.7	63.0	907
	18-20	100.0	100.0	98.3	92.0	78.3	63.2	45.8	31.4	13.3	67.9	904
	21-23	100.0	100.0	98.8	94.2	83.1	68.4	50.0	34.3	14.6	70.0	898
TOTALS		100.0	99.9	98.0	91.6	79.1	62.6	45.7	30.3	13.2	67.6	7022

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

16R OTIS AFB MA 68-70,73,75-81 ALL
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.9	98.7	90.0	73.5	55.1	39.0	22.5	6.6	64.0	7374
FEB		100.0	99.9	96.1	87.3	71.5	53.3	37.0	21.4	6.3	62.8	6765
MAR		100.0	99.9	97.5	88.8	76.0	60.4	44.1	29.0	9.4	66.0	7234
APR		100.0	99.6	95.8	86.9	74.3	60.3	44.2	28.7	10.3	65.7	7191
MAY		100.0	99.8	98.2	92.0	83.1	71.3	57.1	36.8	13.2	70.9	7428
JUN		100.0	100.0	99.9	98.2	91.2	82.4	67.9	47.6	21.5	76.7	7182
JUL		100.0	100.0	99.7	98.0	92.1	80.9	66.0	45.0	17.0	75.6	7426
AUG		100.0	100.0	100.0	99.0	93.5	83.3	68.7	47.3	16.4	76.6	7194
SEP		100.0	100.0	99.9	98.3	92.1	82.0	67.1	46.5	14.9	76.0	6797
OCT		100.0	100.0	99.7	96.5	88.0	75.1	57.5	37.7	12.0	72.4	7426
NOV		100.0	100.0	99.6	95.8	86.4	72.1	55.8	38.9	17.7	72.3	6947
DEC		100.0	99.9	98.0	91.6	79.1	62.6	45.7	30.3	13.2	67.6	7022
TOTALS		100.0	99.9	98.6	93.5	83.4	69.9	54.2	36.0	13.2	70.6	85990

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

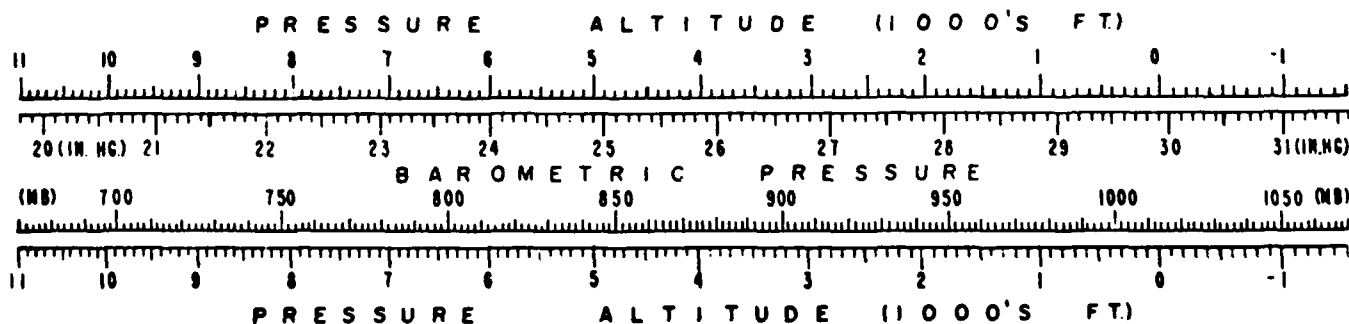
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

705069

OTIS AFB MA

68-70,73,75-81

STATION		STATION NAME												YEARS	
HRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
1	MEAN	29.820	29.830	29.816	29.833	29.833	29.846	29.855	29.878	29.923	29.905	29.883	29.824	29.854	
	S.D.	.310	.319	.324	.253	.213	.176	.152	.139	.176	.245	.285	.329	.253	
	TOTAL OBS	304	283	310	300	310	300	310	302	299	310	271	277	3576	
4	MEAN	29.816	29.816	29.803	29.828	29.828	29.841	29.851	29.870	29.916	29.900	29.881	29.821	29.848	
	S.D.	.315	.320	.327	.253	.214	.178	.152	.139	.178	.244	.288	.333	.255	
	TOTAL OBS	305	283	310	300	310	300	310	308	299	310	272	275	3582	
7	MEAN	29.832	29.835	29.828	29.850	29.852	29.863	29.873	29.894	29.937	29.924	29.894	29.842	29.869	
	S.D.	.319	.318	.328	.255	.216	.179	.153	.141	.183	.244	.286	.334	.257	
	TOTAL OBS	309	283	309	300	310	300	310	308	300	310	299	307	3645	
11	MEAN	29.860	29.844	29.834	29.848	29.853	29.862	29.875	29.897	29.945	29.929	29.905	29.865	29.877	
	S.D.	.329	.316	.334	.257	.218	.182	.153	.142	.187	.248	.293	.341	.261	
	TOTAL OBS	379	282	310	370	310	300	310	309	300	310	300	310	3650	
17	MEAN	29.802	29.797	29.802	29.819	29.833	29.846	29.861	29.881	29.917	29.892	29.859	29.811	29.844	
	S.D.	.329	.312	.330	.253	.216	.183	.151	.144	.188	.251	.296	.343	.261	
	TOTAL OBS	308	282	310	299	310	300	310	308	300	310	300	310	3647	
18	MEAN	29.808	29.790	29.786	29.800	29.817	29.832	29.844	29.863	29.899	29.881	29.859	29.816	29.833	
	S.D.	.326	.313	.321	.249	.211	.181	.150	.143	.184	.250	.289	.339	.257	
	TOTAL OBS	309	283	310	300	310	300	310	308	300	310	300	309	3649	
19	MEAN	29.834	29.821	29.812	29.819	29.828	29.840	29.850	29.872	29.913	29.904	29.882	29.840	29.851	
	S.D.	.322	.311	.317	.247	.205	.173	.147	.139	.176	.247	.278	.333	.252	
	TOTAL OBS	310	282	310	299	309	299	310	309	300	310	300	307	3645	
2	MEAN	29.835	29.829	29.825	29.836	29.845	29.856	29.865	29.889	29.928	29.914	29.883	29.838	29.862	
	S.D.	.320	.314	.315	.251	.203	.174	.148	.139	.174	.249	.278	.328	.252	
	TOTAL OBS	309	283	310	300	309	300	310	309	300	310	300	305	3645	
ALL HOURS	MEAN	29.826	29.820	29.813	29.829	29.836	29.848	29.859	29.881	29.922	29.906	29.881	29.832	29.855	
	S.D.	.322	.315	.324	.252	.212	.178	.151	.141	.181	.247	.287	.335	.257	
	TOTAL OBS	2463	2261	2479	2398	2478	2399	2480	2461	2398	2480	2342	2400	29039	

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

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68-70, 73, 75-79

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
01	MEAN	1016.3	1014.0	1014.1	1015.2	1015.5	1014.8	1016.2	1015.2	1018.2	1018.9	1014.9	1012.1	1015.6	
	S.D.	9.516	11.498	11.761	8.963	8.111	4.520	4.646	4.593	5.700	8.302	10.482	11.109	8.706	
	TOTAL OBS	124	113	124	120	124	120	124	124	120	124	92	93	1403	
14	MEAN	1018.7	1013.8	1013.7	1015.0	1015.8	1014.8	1016.1	1015.1	1018.0	1018.8	1014.8	1012.1	1015.4	
	S.D.	9.719	11.361	11.931	8.902	8.127	4.645	4.642	4.467	5.795	8.356	10.565	11.234	8.754	
	TOTAL OBS	124	113	124	120	124	120	124	124	121	124	92	93	1403	
7	MEAN	1016.3	1014.4	1014.5	1015.9	1016.2	1015.4	1016.8	1015.9	1018.6	1019.6	1015.5	1013.8	1016.1	
	S.D.	10.585	11.166	12.218	8.881	8.044	4.640	4.606	4.530	6.100	8.477	10.146	11.285	8.923	
	TOTAL OBS	125	113	125	120	124	120	124	124	120	124	120	124	1463	
17	MEAN	1018.0	1014.6	1014.5	1015.8	1016.2	1015.5	1016.9	1016.0	1018.7	1019.8	1015.7	1014.2	1016.3	
	S.D.	10.334	11.282	12.629	8.921	8.109	4.709	4.635	4.583	6.319	8.516	10.368	11.474	9.032	
	TOTAL OBS	124	113	124	120	124	120	124	124	120	124	120	124	1461	
13	MEAN	1016.5	1012.9	1013.4	1014.9	1015.4	1014.9	1016.3	1015.4	1017.7	1018.5	1014.1	1012.2	1015.2	
	S.D.	10.250	11.330	12.499	8.927	7.964	4.673	4.612	4.650	6.454	8.670	10.549	11.685	9.090	
	TOTAL OBS	125	113	124	120	124	120	124	124	120	124	120	124	1462	
14	MEAN	1016.6	1012.7	1013.0	1014.2	1014.9	1014.4	1015.8	1014.8	1017.2	1018.2	1014.2	1012.5	1014.9	
	S.D.	9.858	11.342	12.104	8.729	7.792	4.716	4.731	4.722	6.297	8.535	10.479	11.693	8.947	
	TOTAL OBS	124	113	125	121	124	120	125	124	120	124	120	123	1463	
19	MEAN	1017.6	1013.7	1013.9	1014.7	1015.4	1014.6	1015.9	1015.0	1017.8	1019.0	1015.0	1013.4	1015.5	
	S.D.	9.665	11.324	11.653	8.789	7.561	4.516	4.567	4.648	6.059	8.397	10.052	11.577	8.760	
	TOTAL OBS	124	113	124	120	124	120	124	124	120	124	120	122	1459	
2	MEAN	1017.7	1013.8	1014.1	1015.2	1015.9	1015.1	1016.4	1015.7	1018.3	1019.3	1015.0	1013.7	1015.9	
	S.D.	9.658	11.514	11.795	8.846	7.579	4.488	4.576	4.691	5.877	8.410	10.030	11.235	8.760	
	TOTAL OBS	124	113	125	121	124	120	124	124	120	124	120	122	1461	
ALL HOURS	MEAN	1017.1	1013.7	1013.9	1015.1	1015.8	1014.9	1016.3	1015.4	1018.1	1019.0	1014.9	1013.1	1015.6	
	S.D.	9.936	11.325	12.046	8.854	7.898	4.611	4.625	4.614	6.076	8.443	10.298	11.413	8.883	
	TOTAL OBS	994	904	995	962	992	960	993	992	961	992	904	925	11574	

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